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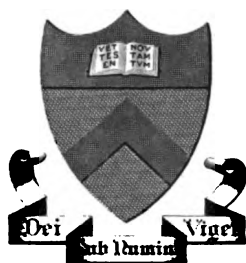
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Yale University Catalogue



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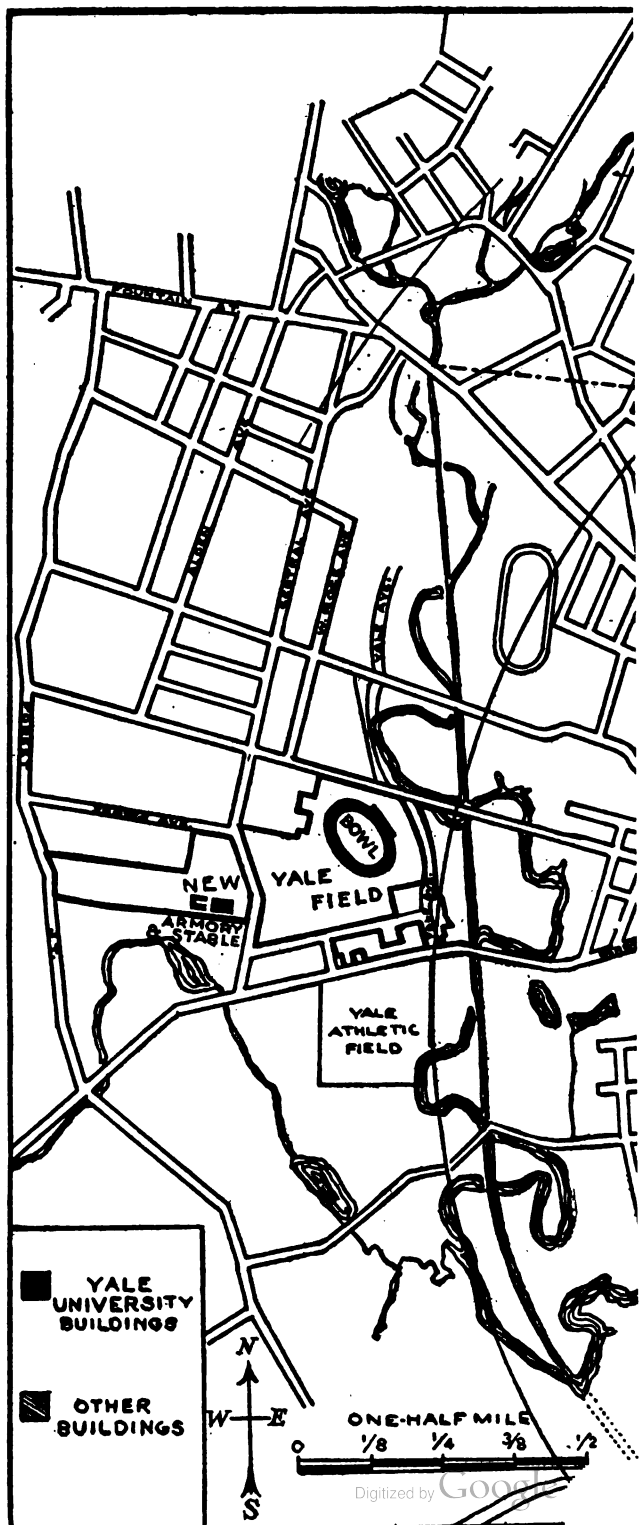
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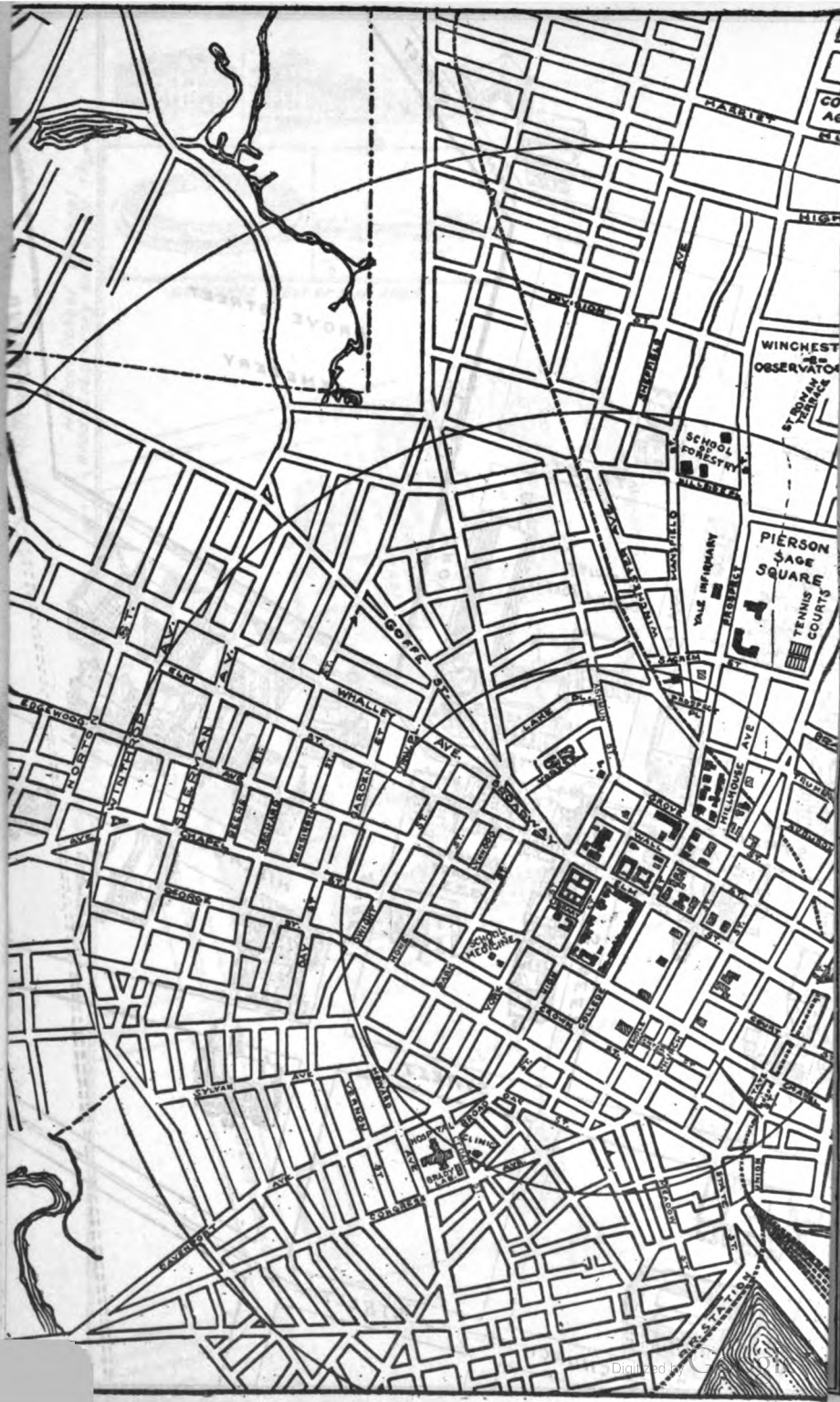


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Lake Whitney and East Rock Park ($\frac{1}{4}$ m.)

CATALOGUE OF YALE UNIVERSITY

CATALOGUE
OF
YALE UNIVERSITY
1920-1921



NEW HAVEN
PUBLISHED BY THE UNIVERSITY
1921

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EXPLANATORY GUIDE TO THE CATALOGUE

For those wishing to familiarize themselves in general with the organization and curricula of the nine Schools of the University, or with the terms of admission to the undergraduate student body, a pamphlet giving this information is available. Catalogues of the several Schools containing fuller details than are included in this Catalogue will be furnished upon request without charge. The main purpose of the University Catalogue is to provide lists of the officers and students of the University, an account of the history and government of the institution, with a survey of its equipment and its privileges, and statements of the nine Schools.

All information regarding admission to either Yale College or the Sheffield Scientific School, prefaced by a special statement on the Freshman Year for first year students in both undergraduate Schools, is to be found in Section V. Mention of recent changes in entrance requirements is here included.

Although the functions of all institutions and buildings connected with the University are described under Sections III, and IV, the staffs of these institutions are given in Section VII. Here also will be found the hours during which the various Libraries are open.

Although the Faculty list in Section I, degrees awarded, and the staffs of institutions connected with the University, and certain other details are for the year 1920-21, the courses of study are given, so far as possible, for the coming year (1921-22), thus making of the catalogue (hereafter to appear regularly in May of each year) a prospectus of courses of study for the coming year.

OFFICE HOURS

THE PRESIDENT OF THE UNIVERSITY—Woodbridge Hall, 10.00 A. M. to 12.30 P. M. (President's Office, 8.45 A. M. to 1.00 P. M., and, except on Saturday, 2.45 to 4.00 P. M.)

THE PROVOST OF THE UNIVERSITY—100 Wall st., daily, 9.00 A. M. to 1.00 P. M., and meetings by appointment.

THE SECRETARY OF THE UNIVERSITY—Woodbridge Hall, 10.00 A. M. to 1.00 P. M. ASSISTANT SECRETARY, 10.00 A. M. to 12.30 P. M., and 2.30 to 4.00 P. M. (Secretary's Office, 8.30 A. M. to 5.00 P. M.; Saturday, 8.30 A. M. to 1.00 P. M.)

THE TREASURER OF THE UNIVERSITY—Woodbridge Hall, 9.30 A. M. to 1.00 P. M., and 2.30 to 5.00 P. M. (Treasurer's Office, 9.00 A. M. to 5.00 P. M.; Saturday and in vacation, 9.00 A. M. to 1.00 P. M.)

THE DEAN OF STUDENTS—100 Wall st., daily, 9.00 A. M. to 12.00 M., and hours by appointment.

THE CHAIRMAN OF THE BOARD OF ADMISSIONS—100 Wall st., daily, 10.00 A. M. to 5.00 P. M. (Office, daily, except Saturday afternoon, 9.00 A. M. to 5.00 P. M.)

THE DEAN OF FRESHMEN—120 College st., daily, 9.00 A. M. to 1.00 P. M. REGISTRAR—9.00 A. M. to 5.00 P. M. daily, except Saturday.

YALE COLLEGE—The DEAN, Connecticut Hall, 10.30 A. M. to 1.00 P. M. (Dean's Office, 9.00 A. M. to 1.00 P. M.)

SHEFFIELD SCIENTIFIC SCHOOL—The DIRECTOR, 3 Sheffield Hall, 9.00 A. M. to 1.00 P. M. (Director's Office, 9.00 A. M. to 1.00 P. M. and 3.00 to 5.00 P. M.)

REGISTRAR—daily 9.00 A. M. to 1.00 P. M.

GRADUATE SCHOOL—The DEAN, Gibbs Hall, daily, 11.00 A. M. to 1.00 P. M. (Dean's Office, 10.00 A. M. to 1.00 P. M., and, except Saturday, 2.00 to 4.00 P. M.)

SCHOOL OF MEDICINE—The DEAN, Room 151, Brady Memorial Laboratory. Hours by appointment. (Dean's Office, daily, except Saturday afternoon, 9.00 A. M. to 12.00 M. and 2.30 to 4.00 P. M.)

DIVINITY SCHOOL—The DEAN, 1168 Taylor Hall, daily, except Monday, 9.00 to 10.00 A. M. (Dean's Office, daily, 9.00 A. M. to 1.00 P. M.)

SCHOOL OF LAW—The DEAN, Hendrie Hall, daily, 9.00 to 10.30 A. M.

SCHOOL OF THE FINE ARTS—The DEAN, Thursday, 10.00 A. M. to 12.00 M. The SECRETARY, daily, except Saturday afternoon, 9.00 A. M. to 12.00 M., and 2.30 to 4.00 P. M.

SCHOOL OF MUSIC—The DEAN, Sprague Memorial Hall, Thursday, 12.30 to 1.00 P. M.; Tuesday, Wednesday, and Friday, 2.50 P. M. (Office, daily, 10.00 A. M. to 12.30 P. M., and 2.00 to 4.00 P. M.)

SCHOOL OF FORESTRY—The DEAN, 360 Prospect st., daily, 9.00 A. M. to 12.30 P. M. (Dean's Office, daily, 9.00 A. M. to 12.00 M., and, except on Saturday, 1.30 to 5.00 P. M.)

THE OBSERVATORY—The DIRECTOR, 9.00 A. M. to 5.00 P. M.; Saturday, 9.00 A. M. to 12.00 M.

RESERVE OFFICERS' TRAINING CORPS—Artillery Hall, daily, 8.00 A. M. to 5.00 P. M.

BURSAR'S OFFICE—13 Houghton Hall, 9.00 A. M. to 4.00 P. M.; Saturday, 9.00 A. M. to 1.00 P. M.

BUREAU OF APPOINTMENTS—11 Houghton Hall, 9.00 A. M. to 5.00 P. M.; Saturday, 9.00 A. M. to 1.00 P. M.

UNIVERSITY PUBLICATIONS

ACCORDING to the plan adopted last year, the annual CATALOGUE OF YALE UNIVERSITY is published in May. Price, fifty cents. (A copy will be sent free of charge to any graduate desiring it.)

THE CATALOGUE OF OFFICERS AND GRADUATES, known as THE QUINQUENNIAL CATALOGUE, gives data from 1701 to date of issue. The 1920 edition is now in course of preparation. Price, three dollars.

THE ALUMNI DIRECTORY includes the names of all living graduates and non-graduates. Price, two and one half dollars. (Distribution limited at the discretion of the officers of the University.)

THE REPORTS of the PRESIDENT and of the TREASURER, and an OBITUARY RECORD of graduates deceased during the year are published annually. Copies will be sent free upon request.

THE CATALOGUES of the several Schools of the University are furnished without charge. These contain detailed information not given in the University Catalogue, especially regarding the individual courses.

THE UNIVERSITY BULLETIN, published weekly in term time, contains a calendar of lectures, concerts, and other University events, as well as announcements of prizes and other information of University interest. It is posted on local bulletin boards, and is sent to subscribers for one dollar a year.

LIFE AT YALE. A descriptive booklet of the University. Sent free upon request.

For Catalogues and general information, address THE SECRETARY OF YALE UNIVERSITY, YALE STATION, NEW HAVEN, CONNECTICUT.

ABBREVIATIONS

- | | |
|---|---|
| <p> A.H. Artillery Hall.
 A.S. Art School.
 B. Berkeley Hall.
 B.C. Battell Chapel.
 B.G. Botanical Garden.
 B.M.H. Byers Memorial Hall.
 B.M.L. Brady Memorial Laboratory.
 C. Connecticut Hall.
 D. Durfee Hall.
 D.E. Department of Education (28 Hillhouse ave.)
 D.L. Day Missions Library.
 D.L.E. Dunham Laboratory of Electrical Engineering.
 DW. Dwight Hall.
 E. Edwards Hall.
 F. Farnam Hall.
 FW. Fayerweather Hall.
 G. Gymnasium.
 G.H. Gibbs Hall.
 H. Haughton Hall.
 HART The Hart (110 Wall st.).
 H.M.L. Hammond Metallurgical Laboratory.
 HEN. Hendrie Hall.
 H.H. Hopkins Hall.
 HW. The Highwall (119 Wall st.).
 HW.A. The Highwall Annex (121 Wall st.).
 K. Kirtland Hall.
 K.C.L. Kent Chemical Laboratory.
 L. Lawrance Hall.
 LAM. Lampson Hall (containing Lampson Lyceum).
 L.O.M. Leet Oliver Memorial Hall.
 LIB. University Library.
 LIN. Linsly Hall.
 M.S. Medical School. </p> | <p> M.E.L. Mason Mechanical Engineering Laboratory.
 MAR. Marsh Hall.
 MEM. Memorial Hall.
 M.Q. Memorial Quadrangle.
 N.H.H. New Haven Hospital.
 N.S. Nathan Smith Hall.
 N.S.H. North Sheffield Hall.
 O. Osborn Hall.
 O.L. Osborn Memorial Laboratories:
 O.B.L. Botanical Wing.
 O.Z.L. Zoological Wing.
 P.O. Post Office (Yale Station).
 PH. Phelps Hall.
 P.L. Psychological Laboratory.
 S.C.L. Sheffield Chemical Laboratory.
 S.H. Sheffield Hall.
 S.L.H. Sloane Lecture Hall.
 S.L.P.C. Sheffield Laboratory of Physiological Chemistry.
 S.P.L. Sloane Physics Laboratory.
 S.M.H. Sprague Memorial Hall.
 T. Taylor Hall.
 U.C. University Clinic.
 U.H. University Hall (Dining Hall).
 U.S.B. University Service Bureaus.
 V. Vanderbilt Hall (College).
 V-S. Vanderbilt-Scientific Halls.
 W. Welch Hall.
 WH. White Hall.
 WIN. Winchester Hall.
 W.O. Winchester Observatory.
 WOOD. Woodbridge Hall.
 WOOL. Woolsey Hall.
 WR. Wright Hall. </p> |
|---|---|

NUMBERING OF ROOMS

COLLEGE DORMITORIES

1- 69. Vanderbilt Hall.	331-382. White Hall.†
70- 93. Connecticut Hall.	383-422. Berkeley Hall.†
94-141. Welch Hall.	423-470. Fayerweather Hall.†
142-183. Lawrance Hall.†	471-505. Haughton Hall.†
184-232. Farnam Hall.	601-679. Wright Memorial Hall.†
233-272. Durfee Hall.†	701- Memorial Quadrangle.

SHEFFIELD SCIENTIFIC SCHOOL BUILDINGS

1- 21. Sheffield Hall.	250-278. Mason Mechanical Engineering Laboratory.
25- 58. North Sheffield Hall.	301-334. Dunham Laboratory of Electrical Engineering.
60- 79. Laboratory of Physiological Chemistry.	1- 14. Byers Memorial Hall, dormitory floor.
100-135. Winchester Hall.	101-191. Vanderbilt-Scientific Halls.
140-162. Sheffield Chemical Laboratory.	
175-193. Kirtland Hall.	
200-226. Leet Oliver Memorial Hall.	

DIVINITY SCHOOL

1101-1154. Edwards Hall.	1155-1224. Taylor Hall.
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† 16-20 B., A-E, D., 1-4 F., 3-7 and 12 L., 1-15 WH. and 1-19 WR. are basement rooms. 9-10 FW. and 11-14 H. are on the first floor, east side. They are office or recitation rooms.

Rooms in Lampson Hall are numbered 1-25.

UNIVERSITY CALENDAR

1920		
11 Sept.	Saturday	Yale Corporation Meeting.
20 Sept.	Monday	Examinations for Admission to the Undergraduate Schools of the University begin, 9.00 A. M.
30 Sept.	Thursday	First Term begins.
9 Oct.	Saturday	Yale Corporation Meeting.
13 Nov.	Saturday	Yale Corporation Meeting.
24 Nov.	Wednesday	Thanksgiving Recess begins, 1.00 P. M.
26 Nov.	Friday	Thanksgiving Recess ends, 7.50 A. M.
11 Dec.	Saturday	Yale Corporation Meeting.
17 Dec.	Friday	Christmas Recess begins, 1.00 P. M.
1921		
4 Jan.	Tuesday	Christmas Recess ends, 7.50 A. M.
8 Jan.	Saturday	Yale Corporation Meeting.
9 Feb.	Wednesday	First Term ends, 6.00 P. M.
10 Feb.	Thursday	Second Term begins, 7.50 A. M.
12 Feb.	Saturday	Yale Corporation Meeting.
22 Feb.	Tuesday	Alumni University Day.
12 March	Saturday	Yale Corporation Meeting.
23 March	Wednesday	Easter Recess begins, 1.00 P. M.
25 March	Friday	Good Friday.
31 March	Thursday	Easter Recess ends, 7.50 A. M.
9 April	Saturday	Yale Corporation Meeting.
14 May	Saturday	Yale Corporation Meeting.
27 May	Friday	Anniversary of the School of the Fine Arts.
30 May	Monday	Memorial Day.
6 June	Monday	Anniversary of the Divinity School.
11 June	Saturday	Yale Corporation Meeting.
15 June	Wednesday	Second Term ends.
19 June	Sunday	Baccalaureate Sermon.
20 June	Monday	Examinations for Admission to the Undergraduate Schools of the University begin, 9.00 A. M.
20 June	Monday	College Class Day Exercises.
20 June	Monday	Scientific School Class Day Exercises.
20 June	Monday	Anniversary of the School of Law.
20 June	Monday	Yale Corporation Meeting.
21 June	Tuesday	Anniversary Meeting of the Alumni.
22 June	Wednesday	Commencement.
June		Four weeks' summer course in Surveying and Field Work, Civil Engineering, and allied courses (Sophomore Class, S. S. S.) starts on the day following last examination in the Freshman Year.
23 June	Thursday	Beginning of First Term, summer session, School of Law.
23 June	Thursday	Examinations for Admission to the other Schools.
1 July	Friday	Beginning of Summer Term, School of Forestry, 8.00 A. M.

27 July	Wednesday	End of First Term, summer session, School of Law.
28 July	Thursday	Beginning of Second Term, summer session, School of Law.
29 Aug.	Monday	Beginning of four weeks' course in Surveying, Civil Engineering, and allied courses (Junior Class, S. S. S.).
29 Aug.	Monday	Beginning of summer course, Mechanical Technology (Junior Class, S. S. S.).
1 Sept.	Thursday	End of Second Term, summer session, School of Law.
8 Sept.	Thursday	End of Summer Term, School of Forestry.
10 Sept.	Saturday	Yale Corporation Meeting.
19 Sept.	Monday	Examinations for Admission to the Undergraduate Schools of the University begin, 9.00 A. M.
29 Sept.	Thursday	First Term begins.
23 Nov.	Wednesday	Thanksgiving Recess begins, 1.00 P. M.
25 Nov.	Friday	Thanksgiving Recess ends, 7.50 A. M.
16 Dec.	Friday	Christmas Recess begins, 1.00 P. M.

TABLE OF HISTORICAL DATES

Meeting of Ministers in Branford, for founding a College	1700-1701
Charter of the Collegiate School of Connecticut	1701
Organization under the Charter	1701
Beginning of instruction at Saybrook	1702
Removal to New Haven	1716
The Collegiate School named Yale College	1718
Revised Charter	1745
Act of the General Assembly of Connecticut by which State Officers became members of the Corporation	1792
Charter of the School of Medicine	1810
Beginning of instruction in the School of Medicine	1813
Charter confirmed by new Constitution of the State	1818
Beginning of instruction in the Divinity School	1822
Law School affiliated with Yale College	1824
Graduate Courses in Philosophy and the Arts organized	1846
School of Applied Chemistry (1847) and School of Engineer- ing (1852) united in Yale Scientific School	1854
Scientific section of the Department of Philosophy and the Arts named the Sheffield Scientific School	1861
School of the Fine Arts established	1866
Act of the General Assembly providing for the election of six members of the Corporation by the Alumni	1871
Same, amended	1872
Act of the General Assembly authorizing the name Yale University	1887
School of Music established	1894
School of Forestry established	1900
Bicentennial Celebration	1901
Pageant, commemorating the Removal of Yale College to New Haven	1916

SECTION 1



OFFICERS OF THE UNIVERSITY

CORPORATION

PRESIDENT

ARTHUR TWINING HADLEY, Ph.D., LL.D.

FELLOWS

HIS EXCELLENCY THE GOVERNOR OF CONNECTICUT, *ex officio*.

HIS HONOR THE LIEUTENANT-GOVERNOR OF CONNECTICUT, *ex officio*.

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PAYSON MERRILL, LL.B., M.A., New York City.

CHARLES HOPKINS CLARK, Litt.D., Hartford, Conn.

REV. NEWELL MEEKER CALHOUN, M.A., Orange, Conn.

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ALFRED LAWRENCE RIPLEY, M.A., Boston, Mass. (June, 1921)

CLARENCE HILL KELSEY, LL.B., M.A., New York City.

JOHN VILLIERS FARWELL, M.A., Chicago, Ill. (June, 1923)

REV. CHARLES EDWARD JEFFERSON, D.D., LL.D., New York City.

EDWIN MUSSEY HERR, Sc.D., Pittsburgh, Pa. (June, 1926)

REV. WILLIAM ADAMS BROWN, Ph.D., D.D., New York City.

SAMUEL HERBERT FISHER, LL.B., M.A., New York City.

HOWELL CHENEY, M.A., South Manchester, Conn.

VANCE CRISWELL McCORMICK, M.A., Harrisburg, Pa. (June, 1924)

FRED TOWSLEY MURPHY, M.D., M.A., Detroit, Mich.

THOMAS WELLS FARNAM, M.A., New Haven, Conn. (June, 1925)

PROVOST

WILLISTON WALKER, Ph.D., D.D.

SECRETARY

REV. ANSON PHELPS STOKES, D.D.

TREASURER

GEORGE PARMLY DAY, M.A.

† The date when the term of each Alumni Fellow expires is printed after his name.

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∴

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DIRECTOR RUSSELL HENRY CHITTENDEN, PH.D., Sc.D.

† The Provost and Treasurer also attend meetings of the Prudential Committee.

‡ The President is an *ex officio* member of all Corporation committees.

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DEAN THOMAS WALTER SWAN, LL.B., M.A.
THE SECRETARY OF THE UNIVERSITY, *Secretary*

COMMITTEE ON ARCHITECTURAL PLAN

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DIRECTOR RUSSELL HENRY CHITTENDEN, Ph.D., Sc.D.
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THE TREASURER OF THE UNIVERSITY, *Secretary*

∴

PROFESSOR EVERETT VICTOR MEEKS, B.F.A., M.A., A.D.G.F.,
Recording Secretary

COMMITTEE ON GROUNDS AND BUILDINGS

THE TREASURER OF THE UNIVERSITY, *Chairman*
THOMAS WELLS FARNAM, M.A.
REV. NEWELL MEEKER CALHOUN, M.A.

ALUMNI ADVISORY BOARD

Chairman, GEORGE G. MASON, '88 S., 10 Wall st., New York, N. Y.
Recording Secretary, REV. ANSON PHELPS STOKES, D.D., '96, Yale University, New Haven, Conn.

Corresponding Secretary, WALTER A. DECAMP, '90, Traction Bldg., Cincinnati, Ohio.

Executive Committee, MR. MASON, *Chairman*, and MESSRS. ROGERS, BALLARD THRUSTON, DECAMP, SWAYNE, S. L. SMITH, HUNTINGTON, and HAMILL.

MEMBERS

THE PRESIDENT, PROVOST, SECRETARY, AND TREASURER OF THE UNIVERSITY.

THE CHAIRMAN OF THE BOARD OF DIRECTORS OF THE YALE ALUMNI UNIVERSITY FUND ASSOCIATION, THATCHER M. BROWN, '97, 59 Wall st., New York, N. Y.

THE PRESIDENT AND SECRETARY OF THE YALE ASSOCIATION OF CLASS SECRETARIES.

President, EDWIN L. DILLINGHAM, '82, 599 5th ave., New York, N. Y.

Secretary, REV. JOHN M. DEYO, '08 and '10 D., 2 Chapel pl., Danbury, Conn.

THE PRESIDENT OF THE YALE ENGINEERING ASSOCIATION, FRANCIS C. PRATT, '88 S., General Electric Co., Schenectady, N. Y.

Boston, Yale Club of

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ALFRED L. AIKEN, '91, 40 Water st., Boston, Mass.

Bristol, Yale Club of

GEORGE C. CLARK, '93 S., Terryville, Conn.

Buffalo, Yale Alumni Association of

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- ROBERT GEORGES EBERHARD. 1931 Broadway, New York City
Instructor in Sculpture.
- JOHN NICHOLAS ECKLE, PH.B.
(134 WIN.) 283 Union ave., West Haven, Conn.
Instructor in Mechanical Drawing and Descriptive Geometry.
- CLIFTON TISDALE EDGERLY, PH.D. (13 WR.) 820 Elm st.
Instructor in French.
- EDWIN JOHN FISCHER, PH.B. (151C, S.C.L.) 146 McKinley ave.
Instructor in Chemistry.
- JAMES HAMPTON FITHIAN, JR., B.A. (34 N.S.H.) 124 Wall st.
Student Instructor in Mathematics.
- ALLEN HARRIS FORBES, PH.B. (324 D.L.E.) 94 Prospect st.
Instructor in Electrical Engineering.
- JOHN STUART FOSTER, B.Sc. (9 S.P.L.) 43 Hotchkiss st.
Instructor in Physics.
- MILTON GARVER, PH.D. (1421 Yale P. O.) 242 York st.
Instructor in French.
- JOHN ARCHER GEE, B.A. 80 Sherman ave.
Instructor in English.
- GEORGE SCOTT GLEASON, B.A. 134 WIN.
Instructor in Drawing and Descriptive Geometry.

§ On leave of absence, second term.

FRANK THORPE GORMAN, B.A. (202 L.O.M.) 62 West Rock ave.
Instructor in Spanish.

FRANK MARTIN GRACEY.

(134 WIN.) 19 Thompson st., Milford, Conn.
Instructor in Engineering Drawing.

WARREN KIMBALL GREEN, PH.D. (67 S.P.L.) 1523 Chapel st.
Instructor in Physics.

CHARLES GRIMM, B.ÈS. Sc.

(13 WR.) 15 Winnett st., Whitneyville, Conn.
Instructor in Romance Languages.

SAMUEL ELLSWORTH GRUMMAN, M.A. (S.M.H.) 133 Bishop st.
Instructor in Pianoforte-Playing, and Secretary of the Faculty of
the School of Music.

SIDNEY EDWARD HADLEY, PH.D. (15 K.C.L.) 472 Winthrop ave.
Instructor in Chemistry.

WILLIAM EDWIN HAESCHE, MUS. B. (S.M.H.) 171 Bradley st.
Instructor in Instrumentation.

HOWARD WILCOX HAGGARD, M.D.

(N.S.) Newton road, Woodbridge, Conn.
Instructor in Physiology, and in charge of the Electrocardio-
graph.

ERNEST JAMES HALL, B.A. (202 L.O.M.) 116 v-s.
Instructor in Spanish.

WESLEY BENJAMIN HALL, PH.B. (312 D.L.E.) 406 Shelton ave.
Instructor in Electrical Engineering.

ROSWELL GRAY HAM, B.L. (3 L.) 80 Sherman ave.
Instructor in English.

FLOYD CLAYTON HARWOOD, PH.D. (12 L.) 492 H.
Instructor in Latin.

REV. GEORGE BAPTISTE HATCH, B.D.

Instructor in Elocution. (1106 E.) Greens Farms, Conn.

WALTER BROOKS DRAYTON HENDERSON, PH.D.

Instructor in English. (33 N.S.H.) 755 Orange st.

THOMAS KELLEY HENDRICK, C.E. (127A, WIN.) 431 Orange st.
Instructor in Engineering Mechanics.

ALBERT FREDERICK HILL, M.A.

250 O.B.L.
Instructor in Botany and Assistant Curator of Botanical Collec-
tions.

IRA VAUGHAN HISCOCK, M.A.

(N.S.) 77 Grove st.
Instructor in Public Health.

- AXEL MAGNUS HJORT, Ph.D. (M.S.) 71 College st.
Instructor in Pharmacology.
- CLAYTON EUGENE HOTCHKISS. (S.M.H.) Glenbrook, Conn.
Instructor in Public School Music.
- REDFORD KOHLSAAT JOHNSON, M.D. (N.S.) 123 Canner st.
Instructor in Physiology.
- EUGENE MARK KAYDEN, M.A. 144 Mansfield st.
Instructor in Political Economy.
- DEWITT TALMADGE KEACH, M.S. (K.C.L.) 50 Parker pl., Morris Cove., Conn.
Instructor in Chemistry.
- ARCHER EBEN KNOWLTON, M.S. (320 D.L.E.) 113 Atwater st.
Instructor in Electrical Engineering.
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Instructor in Drawing, and Secretary of the School of the Fine Arts.
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Instructor in Pathology and Bacteriology.
- RAYMOND MAIRE, L.É.L. (20 B.) 105 W.
Instructor in French.
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Instructor in History.
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Instructor in History.
- HOWARD BAGNALL MEEK, M.A. 124 Wall st.
Instructor in Mathematics.
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Instructor in English.
- JAMES STEPHEN MIKESH, M.A. (39 N.S.H.) 183 V-S.
Instructor in Mathematics.
- THEODORE SIDNEY MOISE, M.D. (B.M.L.) N.H.H.
Instructor in Pathology and Bacteriology.
- †CIPRIANO MONTOLIU, Jur.D. (20 B.) 115 York st.
Instructor in Spanish.
- EDWARD SIMPSON NOYES, M.A. (200 L.O.M.) 755 Orange st.
Instructor in English.
- ALSON CURRIE PATTON, Jr., B.A. 399 B.
Student Instructor in Mathematics.

† Resigned.

LEROY ELDEN PEABODY, M.A.

(34 S.H.) 46 Hawthorne ave., Whitneyville, Conn.

Instructor in Mathematics.

LEWIS FREDERIC PEASE, B.A.

Instructor in Singing. (S.M.H.) 126 E. 24th st., New York City

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(200 L.O.M.) 328 Temple st.

Instructor in English.

HUGH BRUCE PRICE, M.A.

(994 Yale P. O.) 382 Whitney ave.

Instructor in Economics.

WILLIAM THORNTON READ, M.A.

(151 C, S.C.L.) 187 Mansfield st.

Instructor in Chemistry.

HENRY BRUSH RICHARDSON, M.A.

(56 High st.) 37 Blake st.

Instructor in French.

MICHAEL RINGER, M.D.

(364 B.M.L.) 313 York st.

Instructor in Experimental Medicine.

ELLIOTT STIRLING ROBINSON, M.D. (252 B.M.L.) 493 Winthrop ave.

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FRANCIS ROGERS, B.A.

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HERBERT WESLEY ROGERS, M.A.

(P.L.) 1107 E.

Instructor in Psychology.

ROBERT SELDEN ROSE, Ph.D.

(1 F.) 69 Howe st.

Instructor in Spanish.

JENS MADSEN RYSGAARD, B.A.

(31 S.P.L.) 28 Whalley ave.

Instructor in Physics.

CLIFTON RUSSELL SCOTT, M.D.

N.H.H.

Instructor in Radiology.

RAY HAMILTON SKELTON, C.E.

(127A, WIN.) Stratford, Conn.

Instructor in Engineering Mechanics.

ARTHUR HENRY SMITH, Ph.D.

(S.L.P.C.) 352 Temple st.

Instructor in Physiological Chemistry.

WARREN PHOEBUS SMITH, Ph.B.

(271 M.E.L.) 76 4th st.

Instructor in Mechanical Engineering.

GEORGE CLARK SOUTHWORTH, M.S.

(35 S.P.L.) 54 Wooding st.

Instructor in Physics.

JOHN AUSTIN SPAULDING, Ph.D.

(215 L.O.M.) 1203 T.

Instructor in German.

JOHN MINOR STETSON, Ph.D.

(34 N.S.H.) 885 Orange st.

Instructor in Mathematics.

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Instructor in Biology.
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Instructor in European History.
- CORTLANDT VANWINKLE, PH.D. (208 L.O.M.) 1329 Chapel st.
Instructor in English.
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Instructor in Mechanical Engineering.
- REGINALD DEKOVEN WARNER, M.A. 80 Sherman ave.
Instructor in French.
- ROBERT KEELER WARNER, PH.B.
Instructor in Mining. (H.M.L.) 24 George st., West Haven, Conn.
- RUSSELL GILLETTE WARNER, E.E. (312 D.L.E.) 366 Yale ave.
Instructor in Electrical Engineering.
- ISABEL MARY WASON, M.D. N.H.H.
Instructor in Pathology and Bacteriology.
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Instructor in History.
- PHILIP BARROWS WHITEHEAD, PH.D. (2 PH.) 1189 T.
Instructor in Latin.
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Student Instructor in Mathematics.
- GEORGE ELLAS WISEWELL, PH.D. (15 WR.) 434 Temple st.
Instructor in French.

-
- HAROLD SEARS ARNOLD, M.D. HART
Medical Examiner in the Department of University Health.
- JOHN FREDERICK BAKER, LL.B. (42 Church st.) 155 Elm st.
Lecturer on Sanitary Law.

CHARLES JOSEPH BENNETT, B.E. 69 Tremont st., Hartford, Conn.
Lecturer on Highway Engineering.

EUGENE MAURICE BLAKE, M.D. 55 Trumbull st.
Clinical Instructor in Ophthalmology.

WALTER LAWRENCE BOGERT, M.A.
(s.m.h.) 25 Claremont ave., New York City
Lecturer on the History of Music.

GEORGE PERKINS CLINTON, Sc.D.
(123 Huntington st.) 77 Barnett st.
Lecturer on Forest Pathology.

MARGARET EVERTSON COBB, M.A. (D.E.) 53 Livingston st.
Research and Clinical Assistant in the University Psycho Clinic.

HUGH MCCOLLUM CURRAN, B.S.
Hotel Collingwood, New York City
Lecturer on South American Forests.

¶JESSE BUTTRICK DAVIS, M.A. Hartford, Conn.
Lecturer on Secondary Education.

ALLEN ROSS DIEFENDORF, M.D. (129 Church st.) 108 Huntington st.
Lecturer on Psychiatry.

LOUIS I. DUBLIN, Ph.D. (24 m.s.) West st., Mamaroneck, N. Y.
Lecturer in Vital Statistics.

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ALFRED DOUGLAS FLINN. New York City
Chester S. Lyman Lecturer.

GEORGE WARREN FULLER, B.S. 170 Broadway, New York City
Lecturer on Sanitary Engineering.

ETTALENE MEARS GRICE, Ph.D. (O.Z.L.) 114 High st.
Lecturer in Assyriology.

JOSEPH H. HICKSON, M.D. (116 High st.) 85 Lake pl.
Laboratory Assistant and Sanitary Inspector in the Department
of University Health.

ISAO HIRATA, M.D. 356 Elm st.
Clinical Instructor in Surgery.

OTIS ELLIS HOVEY, C.E. 431 Riverside Drive, New York City
Lecturer on Structural Engineering.

FRED LAVIS. 120 Broadway, New York City
Lecturer on Railway Engineering.

¶Appointment for second term.

DAVID RUSSELL LYMAN, M.A., M.D.

(195 Church st.) Wallingford, Conn.

Clinical Lecturer on Tuberculosis.

WILLIAM McDONALD, JR., M.D. (518 Orange st.) 625 Orange st.

Clinical Instructor in Neurology.

JUDSON JACKSON MCKIM, M.A., B.A.S.

(52 Howe st.) 99 Woodbridge ave.

Lecturer on Association Administration.

ALBERT BARRETT MEREDITH, Ph.D., L.H.D.

State Capitol, Hartford, Conn.

Lecturer on Problems of Secondary Education.

CYRUS LARUE MUNSON, LL.B., M.A.

Williamsport, Pa.

Lecturer on General Legal Practice.

DONALD WALLACE PORTER, M.D.

58 Wall st.

Clinical Instructor in Pediatrics.

SIR WILLIAM MITCHELL RAMSAY, D.D., LL.D., Sc.D.

Special Lecturer in Archæology.

Aberdeen, Scotland

HARRY ST. CLAIR REYNOLDS, M.D.

(57 Trumbull st.) 196 Ellsworth ave.

Clinical Instructor in Pediatrics.

ORVILLE FORREST ROGERS, JR., M.D. (116 High st.) 278 Canner st.

Clinical Assistant in Medicine.

ANDREW HOWARD RYAN, M.D.

Waterbury, Conn.

Lecturer on Industrial Physiology.

LEONARD CUTLER SANFORD, M.D.

347 Temple st.

Surgical Assistant in the Department of University Health.

MARVIN McRAE SCARBROUGH, M.A., M.D.

122 College st.

Lecturer on Medical Jurisprudence.

MASON FOOTE SMITH, Ph.B.

(275 M.E.L.) 130 Montowese st., Branford, Conn.

Research Assistant in Mechanical Engineering.

CARL LEO STEARN'S, B.A.

w.o.

Assistant at the Observatory.

JEREMIAH BARRETT SULLIVAN, M.D.

274 Dixwell ave.

Clinical Instructor in Surgery.

WILLIAM BARCLAY TERHUNE, 3D, M.D.

(195 Church st.) 320 Orange st.

Clinical Instructor in Psychiatry.

RAYNHAM TOWNSHEND, M.D.

233 Church st.

Lecturer on Anatomy in the School of the Fine Arts.

AXEL EBENEZER VESTLING, PH.D.

(146 L.) 51 Avon st.

Lecturer in German.

JAMES HENRY WEBB, LL.B.

(County Court House) Whitney ave., Hamden, Conn.

Special Lecturer on Legal Medicine.

GEORGE REBER WIELAND, PH.D.

(150 O.B.L.) Anawan, West Haven, Conn.

Lecturer on Paleobotany.

THOMAS HERBERT YOUNG, M.D.

(185 Church st.) 215 Winchester ave.

Clinical Instructor in Ophthalmology.

FELLOWS AND SCHOLARS IN THE GRADUATE SCHOOL

EUGENE MAXIMILIAN KARL GEILING, Ph.D. 282 Dwight st.
Seessel Research Fellow.

ETTALENE MEARS GRICE, Ph.D. 114 High st.
Alexander Kohut Research Fellow in Semitics.

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†ISABELO CONCEPCION, M.D.
Fellow by Courtesy.

WALTER KARL ABEL, B.A. Rome, Italy
Cuyler Fellow in Yale College.

CHARLES JOSEPH ADAMEC, B.A. East Haven
Soldier's Memorial Fellow in Yale College.

NORMAN ILSLEY ADAMS, JR., B.A. 407 Temple st.
Loomis Fellow in Physics.

HENRY CHAUNCEY ANDERSON, Ph.B. 84 Wall st.
University Scholar.

MARGUERITE ANDRADE, B.A. 315 York st.
University Scholar.

DONALD HATCH ANDREWS, B.A. 1117 E.
Douglas Fellow in Yale College.

MOSELLE QUILLIAN ASHFORD, M.A. 315 York st.
Mary E. Ives Fellow in Philosophy.

MARGERY BAILEY, M.A. 315 York st.
University Scholar.

ARTHUR ALAN BAKER, Ph.B. 8 Prospect pl.
James Dwight Dana Fellow in Geology.

EDWARD ROY BARTON, Ph.B. P.O. Box 87, Hamden
University Scholar.

LAWRENCE WADE BASS, Ph.B. 12 Prospect pl.
Industrial Fellow in Chemistry.

DOUGLAS STOWE BEERS, B.A. 3226 Main st., Stratford
Douglas Fellow in Yale College.

STEPHEN VINCENT BENÉT, M.A. Paris, France
Scott Hurtt Fellow in Yale College.

MARY VICTORIA BRAGINTON, B.A. 315 York st.
University Scholar.

† First term only.

ESTHER LUCILE BROWN, B.A. University Scholar.	856 Howard ave.
PERCY BROWN, B.A. University Scholar.	250 Crown st.
JUSTINE AMES BROWNE, B.A. University Scholar.	114 High st.
JOHN FRANKLIN CARTER, JR., B.A. Abernethy Fellow in Yale College.	Paris, France
ARTHUR ELLICOTT CASE, B.A. Foote Fellow in Yale College.	124 Wall st.
HAROLD SERGIUS CAVE, B.A. University Scholar.	120 Pendleton st.
KIRT MARCUS CHAPMAN, B.A. University Scholar.	1194 T.
HARRY ASHER CHEPLIN, B.S. Currier Fellow.	36 Mansfield st.
ERLING CHRISTOPHERSEN, PH.B. Eaton Scholar.	O.B.L.
ANNIE BARBARA CLARK, M.Sc. University Scholar.	114 High st.
JULIA EVELYN CLARK, B.A. University Scholar.	315 York st.
MERREL DARE CLUBB, B.A. University Scholar.	339 Humphrey st.
RAYMOND BENJAMIN CULVER, B.A. Foote Fellow in Yale College.	20 Livingston st.
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HENRY CHARLES ECKSTEIN, M.S. Currier Fellow.	124 Wall st.
HASTINGS EELLS, M.A. Currier Fellow in History.	1163 T.
SAMUEL FEIGIN. University Scholar.	146 York st.
MALCOLM CECIL FOSTER, B.S. Robinson Fellow.	120 York st.

JENNIE VICTORIA FRANCE, B.A. University Scholar.	377 Lenox st.
ROGER GERALD FRANKLIN, B.A. University Scholar.	1207 T.
HOWARD RISLEY FULLERTON, B.S. University Scholar.	86 Elm st.
CHARLES SHELBY GIBBS, M.S. University Scholar.	1146 E.
AUGUSTIN VICTOR GOLDIERE, B.A. University Scholar.	1214 T.
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HIRSH LEIB GORDON. University Scholar.	124 Wall st.
ERWIN GEORGE GROSS, M.S. Currier Fellow.	126 Wall st.
ROLLA NEIL HARGER, M.A. National Research Council Fellow.	42 Jones st., West Haven
CHRISTINA HAZEN, B.A. University Scholar.	68 Lake pl.
HENRY RUDOLPH HENZE, PH.B. National Aniline and Chemical Fellow in Organic Chemistry.	1267 Forest st.
JACQUES GEORGES GILBERT HEUPGEN. Fellow on the Commission for Relief in Belgium Educational Foundation.	124 Wall st.
MARGARET HOTCHKISS, B.A. Currier Fellow.	114 High st.
BRUCE HOUSTON, B.S. Industrial Fellow in Chemistry.	124 Wall st.
EDWARD BENEDICT HUNN, PH.B. DuPont Fellow in Chemistry.	73 Whitney ave.
CLARENCE JOHN HYLANDER, B.A. Larned Fellow in Yale College.	O.B.L.
RAYMOND JENKINS, B.A. University Scholar.	1215 T.
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ERWIN BURR KELSEY, PH.B. Henry Bradford Loomis Fellow in Chemistry.	64 Lake pl.

ELIAS KLEIN, B.S. Howard Fellow.	1215 T.
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WALTER BARNES LANG, M.S. Currier Fellow.	9 H.H.
JOHN NELSON LEE, Ph.B. University Scholar.	70 Trumbull st.
FLORENCE LOOMIS, B.A. University Scholar.	169 Livingston st.
JAMES ARGYLE McLAUCHLIN, M.A. University Scholar.	279 Crown st.
HELEN SWIFT MITCHELL, B.A. University Scholar.	Forest terrace
JOHN MOORE, M.A. University Scholar.	220 Howard ave.
MARY ATWELL MOORE, B.A. Bulkley Fellow in American History.	114 High st.
ANNA JUSTINA MORSE, B.A. University Scholar.	82 Trumbull st.
NICHOLAS MOSELEY, B.A. Cuyler Fellow in Yale College.	186 Edwards st.
EARL EDWARD MUNTZ, B.A. Currier Fellow.	131 Howe st.
LEONARD WILLIAM MUNTZ, B.A. University Scholar.	56 Goffe st.
ELIZABETH VIRGINIA NAGY, B.A. University Scholar.	312 Temple st.
EDITH HOLLOWAY NASON, B.A. Vassar Associate Alumnae Fellow.	315 York st.
CHARLES HENRY NEIL, B.A. Eldridge Fellow.	30 Mansfield st.
JOHN SPANGLER NICHOLAS, M.S. Currier Fellow.	O.Z.L.
CHARLES ARCHIBALD OWEN, M.A. Currier Fellow.	1197 T.
JOHN DEVASAHAYAM SAVARIROYAN PAUL, B.A. Currier Fellow.	1122 E.
CHARLES SAMUEL PEETE, B.A. Foote Fellow in Yale College.	35 W. Park ave.

MIMOSA HORTENSE PFALTZ, B.S. Currier Fellow.	114 High st.
ARTHUR PITE, B.A. Foote Fellow in Yale College.	128 DeWitt st.
JAMES HALL PITMAN, B.A. University Scholar.	82 Wall st.
FRED ALBERT POTTLE, B.A. University Scholar.	200 York st.
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HARRY STAFFORD READ, M.S. University Scholar.	19 Compton st.
ROLAND R. READ, B.S. Macy Fellow.	19 Compton st.
CLARENCE WHITE RIFE, M.A. Bulkley Fellow in American History.	106 York sq.
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EVERETT SHOVELTON SANDERSON, B.S. Currier Fellow.	19 Compton st.
HENRY LYTTLETON SAVAGE, B.A. Eldridge Fellow.	126 Wall st.
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MANASSEH GIRAGOS SEVAG, B.A. University Scholar.	113 Ashmun st.
HILRIE SHELTON SMITH, B.A. University Scholar.	1183 T.
SHIRLEY SMITH, M.A. Honorary University Fellow.	114 High st.
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JOHN SHEPARD STANTON, JR., B.A. Larned Fellow in Yale College.	191 F.

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GEORGE STEWART, JR., B.A. Cuyler Fellow in Yale College.	DW.
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ALEXANDER MACLAREN WITHERSPOON, B.A. Foote Fellow in Yale College.	126 Wall st.

SECTION II
=====
HISTORY AND GOVERNMENT OF
THE UNIVERSITY

HISTORY

NEW HAVEN

IN 1637 there arrived in Boston a party of nearly two hundred and fifty Puritans recruited in England by the Reverend John Davenport and Theophilus Eaton, a wealthy merchant. They had left their native land to escape religious persecution. After some months in the vicinity of Boston they determined to settle in a fertile region to the south, known as Quinnipiac; accordingly they again put to sea and reached their new goal the following April. On their first Sunday in New Haven, Mr. Davenport preached a characteristic Puritan sermon near what is now the corner of College and George streets.

The settlement of Quinnipiac was from the beginning carefully laid out, a large open square being set apart as a market-center around which the houses were built. This square, now known as the Green, has remained the civic center of New Haven for the period of nearly three centuries since it was first cleared. The College is built along its western side.

The site of the present City of New Haven was bought from the Indians for "one dozen coats, one dozen spoons, one dozen hoes, one dozen hatchetts, one dozen porengres, two dozen knives and four cases of French knives and scissors." The name of New Haven was adopted in 1640. It was on the Green that Benedict Arnold formed his company of volunteers to march to the aid of Massachusetts Colony after the battle of Lexington. The local militia and company of students from the College were reviewed on the Green by Washington just before he took command of the Continental Army, and again later by Lafayette.

New Haven contains many old houses and other points of interest associated with its Colonial days, and the New Haven Colony Historical Society has preserved in its building on Grove street a number of relics valued for their connection with famous names in the history of New England and the Colonies.

Although the Green and other reminders of Colonial days thus preserve in New Haven the charm of historic associations, it is to-day a progressive city of over one hundred and fifty thousand inhabitants. Flanked by the cliffs of East and West Rocks, which

are now public parks, and situated in a rolling country overlooking Long Island Sound, New Haven is fortunate in the natural beauty of its surroundings and in the good climate and favorable location to which the local health records attest. The ready accessibility of New Haven, by water, rail and trolley, to New York, Boston and other eastern cities, is a marked advantage, as New York is only an hour and forty minutes away and Boston about four hours, trains leaving in either direction nearly every hour.

YALE UNIVERSITY

The beginnings of Yale University go back to 1701 when a group of Connecticut ministers obtained from the General Assembly of the Colony a charter for the foundation of a Collegiate School whose purpose was to fit young men for service "in Church and Civil State." The founders at the same time gave the school concrete form by donations of books to a considerable number, and instruction began the same year at Saybrook with the Reverend Abraham Pierson as its first Rector.

The degree of Bachelor of Arts was first conferred in 1703 upon John Hart. The course of instruction leading to a degree was in 1710 extended to cover four years. The original Colony grant provided only about £80 annually for tuition and maintenance, but in 1715 an appropriation of £500 was voted for the erection of a College House. The first Catalogue of graduates had been issued the previous summer. The year 1716 marked the removal of the Collegiate School to New Haven over the vigorous protests of Saybrook and Hartford citizens. The following year the first College building was begun and in 1718 the name of Yale College was adopted in recognition of substantial support received from Elihu Yale, then Governor of Fort St. George, Madras, who had spent his early years at New Haven in the home of his stepfather, Governor Eaton.

The struggles of the early days were great, but material assistance was received from friends of education, including Reverend George Berkeley, afterwards Bishop of Cloyne, who donated many valuable books and gave needed financial aid which permitted the establishment in 1733 of the Berkeley Scholarships for the encouragement of graduate work. An important amendment to the Charter in 1745 gave the institution its present corporate form of "The President and Fellows of Yale College in New Haven." This elevated the Reverend Thomas Clap from Rector to be the first President, and during his administration the College became securely established. In 1750 the first brick building, now known as Connecticut Hall, was begun.

Yale College, thus founded by Connecticut ministers, had given theological instruction as a matter of course from the beginning. The religious upheaval which later spread through New England, was naturally felt in the College as well; yet Yale proved a remarkable force in upholding and guarding Christian traditions. Until November, 1753, the only preaching services attended by the students were those in the First Church on the Green, but in 1757, in conformity with a petition from undergraduates and instructors, a duly constituted and organized body was formed in the College itself, bearing the name of The Church of Christ in Yale University. This has continued to the present day.

The foundation in 1753 of the Linonian Society and in 1768 of the Brothers in Unity, literary and debating societies, were important steps in the development of the University and its library facilities. Although the Library has the distinction of being Yale's oldest institution, its growth in the early years was slow. Elihu Yale and other influential Englishmen, including Sir Isaac Newton, had contributed nearly a thousand volumes of great value in 1714-15, and the gift, twenty years later, of an equal number of volumes by Bishop George Berkeley, were the chief early accessions. Their importance may be appreciated by referring to the first Library catalogue, published in 1743, which showed a total, including these gifts, of only twenty-six hundred volumes, although the majority of these were even then of considerable value. The Library's growth during the next one hundred years was steady but slow; meanwhile the two literary societies of Linonia and Brothers had acquired valuable collections of their own, and when, in 1871-72, these were transferred to the care of the College Library, the number of books reached one hundred and twenty thousand volumes, exclusive of the unbound pamphlets. Since that time the University Libraries have increased almost tenfold.

Under the Presidency of the Reverend Ezra Stiles, the College experienced a steady and healthy growth, and in 1777 President Stiles, presenting the first Plan of a University, wrote as follows:—

"A Seminary for the Educ^a of Youth in the Latin & Greek Classics only, is but a *Grammar School*: When furnished with Academical Instruction or Tuition as in Logic, Geography, Philosophy, Astronomy, Ethics & the rest of the Liberal Arts & Sciences, it becomes a *College*: when in addition to the Languages and Liberal Arts, it exhibits Instruction in higher learning & esp^r in the 3 Learned Professions of Div^r Law & Physic, it rises into a University."

The succeeding President, Reverend Timothy Dwight, instituted at once a number of important reforms in administration and under his leadership the College experienced an unprecedented develop-

ment and first became truly national in character. A charter for the establishment of a Medical Institution under the joint supervision of the College and the Connecticut Medical Society was granted in 1810, since when instruction to prepare for this profession has been given at Yale continuously. The first medical degrees were conferred in 1814. In 1822 a separate department for instruction in Theology was established, and in 1824 affiliation of a School of Law conducted in New Haven for some years by Seth P. Staples (B.A. 1797), and Samuel J. Hitchcock (B.A. 1809), marked the beginning of the present Law School, which first conferred its degree in 1843. The College was thus expanded in scope and was also greatly strengthened financially under President Dwight and Jeremiah Day, his successor. The first class to graduate as many as 100 students was that of 1826.

The *Yale Literary Magazine*, founded in 1836, was the first undergraduate publication in the country. It also enjoys the distinction of being the oldest American monthly magazine in or out of college, published without interruption since its original issue.

The administrations of Theodore Dwight Woolsey, and of Noah Porter, the succeeding Presidents, marked the change in effect from a College to a University. Graduate courses were organized in 1846 and the Graduate School was established the following year. The degree of Doctor of Philosophy given in 1861 marked Yale as a pioneer in the higher branches of education. In 1847 a School of Applied Chemistry and in 1852 a School of Engineering were founded and the first degree of Bachelor of Philosophy was conferred. In 1854 these scientific schools were combined, and in 1861 the name of Sheffield Scientific School was assumed in appreciation of the assistance of Mr. Joseph E. Sheffield of New Haven who endowed this new department in 1860 and subsequently increased his original gifts by frequent and generous donations. In 1863 the Connecticut Legislature gave to the Scientific School a grant for promotion of scientific education, and until revocation of this Act in 1892 terminated these special relations with the State, the Sheffield Scientific School was also the State College of Agriculture and Applied Arts.

The year 1863 marked also the birth of the School of the Fine Arts, as Mr. Augustus Russell Street (B.A. 1812) then offered to erect a building for that special purpose. The corner stone was laid the following year, and this step made Yale the first institution to express the principle that a separate school for instruction in the Fine Arts properly comes within the scope of a University. Instruction was begun in 1869 by John Ferguson Weir, now Director Emeritus, although the Baccalaureate degree was not conferred until 1891. The early securing of the Trumbull paintings of the American Revo-

lution and the Jarves Collection of Italian Masters greatly increased the School's resources and reputation.

A generous gift from Mr. George Peabody of London in 1866 established a Museum of Natural History and the subsequent researches throughout the western states of Othniel C. Marsh, the first Professor of Palæontology, resulted in adding to the University's collections material of the greatest importance in developing the theory of evolution. In 1871 the Board of Trustees of the Sheffield Scientific School was incorporated to hold some of the property of the School, and in the same year an important act of the General Assembly gave the Alumni the right to elect from among their own number six Fellows to the Corporation.

Many notable changes in the internal organization of the College were effected during this period, the course of instruction being revised along broader lines. The degree of Master of Arts for specific scholastic attainments was first given in 1876. At this time a graduate curriculum in Law was also established and it is worthy of note that Yale was the first institution in America or England to offer an advanced course leading to the degree of Doctor of Civil Law. An important step in 1876 was the partial substitution of the elective system of instruction in place of the fixed curriculum. In 1884 Yale College assumed complete control of the Medical Institution which since its foundation had operated under the dual jurisdiction of the College and the Connecticut Medical Society.

In 1886 Timothy Dwight, grandson of the former President Dwight, was chosen President. During the thirteen years of his administration the steady growth of the previous decade was so increased that the institution more than doubled in resources and in faculty and student totals. In 1887 the Connecticut Assembly authorized the use of the name Yale University, thus fulfilling the prophetic hope outlined one hundred and ten years before by President Stiles.

Although music had been taught in the College since Mr. Joseph Battell (for whom Battell Chapel is named) established in 1854 a fund for that purpose, it was not until 1890 that efforts were made to create a separate department. This was finally effected in 1894 and the first degrees of Bachelor of Music were conferred the same year.

In 1890 also was established the Alumni University Fund, based upon the principle that many small gifts from the graduate body as a whole rather than entire dependence upon a few large endowments make for the most enduring ideals of a democratic University.

Through the generosity of the family of Mr. James W. Pinchot, the Yale School of Forestry, the oldest forest school in continuous operation in this country, was founded in 1900. The Yale Bicentennial Celebration in honor of the founding of the original Collegiate

School was held in 1901. The Yale Pageant held in 1916 to commemorate the removal of the College to New Haven two hundred years before is also worthy of note.

ORGANIZATION

When the original act of 1701 was superseded by a revised charter in 1745, the President and Fellows were given much larger powers. Supplementary legislative acts have added various members to the Board of Trustees known as the Yale Corporation, which now includes, in addition to the President of the University, the Governor and Lieutenant Governor of the State, six graduates elected for six year terms by vote of the graduates of five or more years' standing, and ten Fellows known as the Successors of The Original Trustees. Within the Corporation no distinction is made between the different groups.

The general administration of the different Schools of the University is left by the Corporation in the hands of the Deans and Boards of Permanent Officers, subject at all times to the approval of the Yale Corporation, which has three executive officers, the President, Secretary, and Treasurer. The recently reorganized University Council, made up of the University's administrative officers, the Deans and certain elected representatives of the Faculty, helps to coördinate the work of the different Schools and departments and to consider the education problems of the University. Of this body the Provost, who is concerned primarily with education and with Faculty relations, is the chairman. An Alumni Advisory Board, composed of representatives of all alumni associations of one hundred or more members, serves as a medium both for testing the opinion of the graduate body on any given measure and for enabling the graduates to present their views to the Corporation for official consideration.

GOVERNMENT

THE legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN," or "YALE UNIVERSITY"; the powers of this body have been granted and confirmed in the following order.

CHARTER OF THE COLLEGIATE SCHOOL

THE COLLEGIATE SCHOOL OF CONNECTICUT, subsequently named YALE COLLEGE, and now called YALE UNIVERSITY, was founded by the combined action of a few of the ministers in Connecticut, who obtained in October, 1701, a Charter from the Colony Legislature, which runs as follows:—

An act for Liberty to erect a Collegiate School:

WHEREAS several well disposed, and Publick spirited Persons of their sincere Regard to & Zeal for upholding & Propagating of the Christian Protestant Religion by a succession of Learned & Orthodox men have expressed by Petition their earnest desires that full Liberty and Priveledge be granted unto Certain Undertakers for the founding, suitably endowing & ordering a Collegiate School within his Maj^{ties} Colony of Connecticut wherein Youth may be instructed in the Arts & Sciences who thorough the blessing of Almighty God may be fitted for Publick employment both in Church & Civil State.

To the intent therefore that all due encouragement be Given to such Pious Resolutions and that so necessary & Religious an undertaking may be sett forward supported & well managed.

BE IT ENACTED by the Govern^r & Company of the s^d Colony of Connecticut, in General Court now Assembled, And it is enacted & ordained by the Authority of the same that there be & hereby is full Liberty Right and Priveledge Granted unto the Reverend M^r James Noyes of Stonnington, M^r Israel Chauncey of Stratford, M^r Thomas Buckingham of Saybrook M^r Abraham Pierson of Kennelworth M^r Samuel Mather of Windsor M^r Samuel Andrew of Millford M^r Timothy Woodbridge of Hartford M^r James Pierpont of New Haven M^r Noadiah Russel of Middletown M^r Joseph Webb of Fairfield being Rev^d Ministers of the Gospel & inhabitants within y^e s^d Colony Proposed to stand as Trustees Partners or Undertakers for the s^d School to them and their successors, To ERECT form direct, order establish improve and att all times in all suitable wayes for the future to Encourage the s^d School in such convenient place or Places, & in such form & mann^r & und^r such order & Rules as to them shall seem meet & most conducive to the afores^d end thereof so as such Rules or Orders be not Repugnant to the Laws of the Civil Govern^t as also

to employ the moneys or any other estate which shall be Granted by this Court or otherwise Contributed to that use according to their discretion for the benefit of the s^d Collegiate School from time to time & att all times henceforward.

And be it further ENACTED by the Authority afores^d that the before named Trustees Partners or undertakers together with such others as they shall associate to themselves (not exceeding the number of Eleven, or att any time being less than Seven) Provided also that Persons nominated or associated from time to time to fill up s^d number be minist^{rs} of the gospel inhabiting within this Colony & above the Age of forty years) or the major Part of them the s^d Mr James Noyes, Israel Chauncey, Thomas Buckingham, Abraham Pierson, Samuel Mather, Samuel Andrew, Timothy Woodbridge, James Pierpont Noadiah Russel, & Joseph Webb undertakers & of such Persons so chosen & associated as aboves^d att any time hereafter, HAVE and Shall have henceforward the oversight full & compleat Right Liberty power & Priveledge to furnish direct manage order improve & encourage from time to time & in all times hereaft^r the s^d Collegiate School so Erected & formed by them in such ways orders & mann^r & by such Persons Rector or Master and officers appointed by them as shall according to their best discretion be most conducive to attaine the afores^d mentioned end thereof.

It is also further Enacted by the Authority afores^d that the s^d undertakers & Partners & their success^{rs} be & hereby are further impowered to have accept acquire purchase or otherwise lawfully enter upon Any Lands Tenements & Hereditam^{ts} to the use of the s^d School not exceeding the value of five hundred Pounds p^r Ann, & any Goods Chattels sum or sums of money whatsoever as have heretofore already been Granted bestowed bequeathed or Given or as from time to time shall be freely Given bequeathed devised or settled by any Person or Persons whatsoever upon & to & for the use of y^e s^d School towards the founding erecting or endowing the same & to sue for Recover & receiv all such Gifts Legacies bequests annuities Rents issues & profits arising therefrom & to employ the same accordingly & out of y^e estate Revenues Rents profits incoms accruing & belonging to s^d School to support & pay as the s^d Undertakers shall agree & see cause the s^d Rector or Master Tutors Ushers or other officers their Respective annual Salaries or Allowances. As also for the encouragem^t of the Students to grant degrees or Licences as they or those deputed by them shall see cause to order & appoint.

Under this Charter the Collegiate School was begun in November, 1701, at Saybrook, where it continued until its removal to New Haven, in October, 1716. In September, 1718, the name of YALE COLLEGE was given by the Trustees to the School, in honor of the benefactions of ELIHU YALE, of London, lately Governor of the East India Company's settlement at Madras.

ADDITIONAL ACT OF 1723

In 1723 an "ACT IN EXPLANATION OF AND ADDITION TO THE ACT FOR ERECTING A COLLEGIATE SCHOOL" was passed by the General Assembly, with the following provisions:—

WHEREAS Pursuant to the Powers and Privileges granted to Certain Trustees for Erecting a Collegiate School in this Colony Entitled an Act for a Collegiate School The said Trustees have Erected the S^d School in the Town of New Haven which School is now known by the Name of Yale Colledge; And Whereas it appears to this assembly that an Explanation and Enlargement of the Powers and Privileges granted by S^d Act is Necessary for the Carrying on the affairs of the said Colledge; for Want of which It has Laboured under great difficulties Very much to the prevention of that Order and good Education which is to be desired there.

Bee it therefore Enacted &c That the said act which provides that the Number of the said Trustees be not under Seven, nor above Eleven is not to be Understood or Taken so as to be restrictive of the power of the said Trustees, Never to Choose any person to be a Trustee when there is of such persons as have been Chosen and Acted as Trustees Eleven persons Living in the Colony or Elsewhere, But that in Case any person so Chosen be by Providence Incapacitated from attending that service or shall himself decline the same thro' the Necessity of his own Affairs or for any other such Reason as he shall Judge requisite The Trustees in any of their Meetings lawfully Called may be Understood to have and It is hereby Enacted and declared that they shall be Taken to have full power by the Majority of such Meeting to proceed to the Choice of Another Trustee in the Room of any such person.

And It is hereby further declared and Enacted to be the True Intent and Meaning of the Act afores^d that the said Trustees shall be Impowered and they are hereby declared to have power to Meet Together for Considering advising about and Resolving upon all Matters belonging to the Trust of the said Colledge Comitted to them as afores^d and to Agree and Conclude Order and determine Concerning them by the Majority of the said Meeting and by the Same Majority to Choose and Appoint a Clerk who shall in a fair Book prepared for that End register and Carefully preserve the Acts of all such Meetings.

And WHEREAS it has been doubted what Number of the said Trustees may be Lookt upon as a Sufficient or full Meeting, Inasmuch as there is not in the afores^d Act any Express mention made of any Meeting of the said Trustees It is therefore to prevent all scruple of that kind for the future hereby provided and declared that due Notice being given to the Trustees by Consent of any three of them, of a Meeting of the Trustees desired at any Time or place any Seven or more of the Trustees present at such Time and place shall be Esteemed a full Meeting And It is hereby declared and Enacted, that in all such Meetings, so Called, or otherwise as the said Trustees in any such full Meeting shall agree, all affairs und^r the Care of the said Trustees shall be determined by the Majority of such Meeting.

And WHEREAS it has been found Inconvenient that in the Election of Persons to be Trustees, the Trustees Election by the afores^d Act should be Limited and Restrained so as that the person who shall be Chosen must Necessarily be forty Years of Age; It is hereby declared and Enacted that for the future the S^d Trustees in any Election of a Person into that Trust shall not be Esteemed or held Obliged by said Act to Choose such Persons as shall be above 40 Years of Age, but may choose such Persons otherwise qualified according to S^d Act, provided he is 30 years of Age

And it is further hereby allowed Enacted granted and provided, that who-soever shall be Chosen and made a Rector of the S^d Colledge shall by Vertue thereof become a Trustee of the same; and be so Esteemed and Taken during his Continuance in the S^d Rectorship

CHARTER OF YALE COLLEGE

In 1745 a thoroughly revised Charter was granted by the Assembly; the provisions of permanent interest are as follows:—

AN ACT for the more full and compleat Establishment of YALE COLLEGE in New-Haven and for enlarging the Powers and Privileges thereof.

WHEREAS upon the Petition of several well disposed and Public-Spirited Persons expressing their Desire that full Liberty and Privilege might be granted unto certain Undertakers for the founding, suitably endowing and ordering a COLLEGIATE SCHOOL within this Colony wherein Youth might be instructed in the Arts and Sciences, the Governor and Company of the said Colony in General Court assembled at New-Haven on the Ninth Day of October, in the Year of our Lord one Thousand seven Hundred and one Granted unto the Rev^d Mes^{rs} JAMES NOYES, ISRAEL CHAUNCEY, THOMAS BUCKINGHAM, ABRAHAM PEIRSON, SAMUEL MATHER, SAMUEL ANDREW, TIMOTHY WOODBRIDGE, JAMES PIERPONT, NOADIAH RUSSEL and JOSEPH WEBB who were proposed to stand as Trustees, Partners or Undertakers for the said Society and to their Successors, full Liberty, Right and Privilege to Erect, Form, Direct, Order, Establish, Improve and at all Times in all suitable Ways to Encourage the said School in some convenient Place in this Colony and granted sundry Powers and Privileges for the Attaining the End aforesaid.

AND WHEREAS the said Trustees, Partners or Undertakers in pursuance of the aforesaid Grant Liberty and License, founded a COLLEGIATE SCHOOL at NEW-HAVEN, known by the name of YALE COLLEGE which has recieved the favourable Benefactions of many Liberal and Piously Disposed Persons, and under the Blessing of Almighty God has trained up many Worthy Persons for the Service of God in the State as well as in the Church.

AND WHEREAS the General Court of this Colony assembled at NEW-HAVEN the tenth Day of October in the Year of our Lord one Thousand Seven Hundred and Twenty three did Explain and Enlarge the aforesaid Powers and Privileges granted to the Aforesaid Partners Trustees or Undertakers and their Successors for the Purpose aforesaid; as by the respective Acts Reference thereto being had more fully and at large may appear.

AND WHEREAS the Rev^d Mes^{rs} THOMAS CLAP, SAMUEL WHITMAN, JARED ELIOT, EBENEZER WILLIAMS, JONATHAN MARSH, SAMUEL COOKE, SAMUEL WHITTELSEY, JOSEPH NOYES, ANTHONY STODDARD, BENJAMIN LORD and DANIEL WADSWORTH the present Trustees Partners and Undertakers of the said School, and Successors of those before mentioned, have Petitioned that the Said School with all the Rights, Powers, Privileges and Intrests thereof may be confirmed, and that such other additional Powers and Privileges may

be granted as shall be necessary for the Ordering and managing the said School in the most Advantageous and beneficial Manner for the promoting all good LITERATURE in the present and succeeding Generations.

Therefore THE GOVERNOR and COMPANY of his MAJESTIES said ENGLISH COLONY of CONNECTICUT in General Court assembled this Ninth Day of May, in the Year of our Lord one Thousand Seven Hundred and Fourty five ENACT, ORDAIN, AND DECLARE, and by these Presents it is Enacted, Ordained and Declared.

THAT the said THOMAS CLAP, SAMUEL WHITMAN, JARED ELIOT, EBENEZER WILLIAMS, JONATHAN MARSH, SAMUEL COOKE, SAMUEL WHITTELSEY, JOSEPH NOYES, ANTHONY STODDARD, BENJAMIN LORD, and DANIEL WADSWORTH shall be an INCORPORATE SOCIETY of BODY CORPORATE AND POLITIC and shall hereafter be called and known by the NAME of THE PRESIDENT AND FELLOWS OF YALE COLLEGE in NEW-HAVEN, and that by the same Name they and their Successors shall and may have perpetual Succession, and shall and may be Persons in the Law capable to plead and be Impleaded, Defend and be Defended, and Answer and be answered unto; And also to have, take, possess, acquire, purchase or otherwise Recieve Lands, Teneaments, Hereditaments, Goods, Chattels, or other Estates And the same Lands, Teneaments Hereditaments, Goods Chattels or other Estates to Grant, Demise, Lease, Use, Manage or Improve for the Good and Benefit of the said COLLEGE According to the Tenor of the Donation, and their Discretion.

THAT all Gifts, Grants, Bequests, and Donations of Lands, Teneaments or Hereditaments, of Goods and Chattels heretofore made to or for the Use, Benefit and Advantage of the Collegiate School aforesaid, whether the same be express'd to be made to the PRESIDENT or RECTOR, and to the rest of the Incorporate Society of YALE COLLEGE or to the TRUSTEES or UNDERTAKERS of the COLLEGIATE SCHOOL in NEW-HAVEN, or to the Trustees by any other Name, Stile or Title whatsoever, whereby it may be clearly known and understood that the true Intent and Design of such Gifts, Grants, Bequests and Donations was to or for the Use, Benefit and Advantage of the COLLEGIATE SCHOOL aforesaid, and to be under the Care and Disposal of the Governors thereof, shall be confirmed, and the same hereby are CONFIRMED, and shall be and Remain to and be Vested in THE PRESIDENT AND FELLOWS of the COLLEGE aforesaid, and their Successors, as to the true and Lawfull Successors of the Original Grantees.

THAT the said PRESIDENT AND FELLOWS and their Successors shall and may hereafter have a Common Seal to serve and Use for all Causes, Matters and Affairs of them & their Successors, and the same Seal to alter, break and make new as they shall think fit.

THAT the said THOMAS CLAP shall be, and he is hereby Established the present PRESIDENT and the said SAMUEL WHITMAN, JARED ELIOT, EBENEZER WILLIAMS, JONATHAN MARSH, SAMUEL COOKE, SAMUEL WHITTELSEY, JOSEPH NOYES, ANTHONY STODDARD, BENJAMIN LORD and DANIEL WADSWORTH shall be, and they are hereby Established the present FELLOWS of the said COLLEGE, and that they and their Successors shall continue in their Respective Places during Life, or until they or either of them shall Resign, or be Removed, or Displaced as in this Act is hereafter Expressed.

THAT there shall be a GENERAL MEETING of the PRESIDENT and FELLOWS of said COLLEGE in the College-Library on the second Wednesday of September Annually, or at any other Time and Place which they shall see Cause to appoint, to Consult, Advise and act in and about the Affairs and Business of the said College, and that on any special Emergency the PRESIDENT and two of the FELLOWS or any four of the FELLOWS may appoint a Meeting at the said College, provided they give Notice thereof to the Rest by Letters sent and left with them or at the Places of their Respective Abode five Days before such Meeting, and that the PRESIDENT and six FELLOWS or in Case of the Death, Absence or Incapacity of the PRESIDENT, SEVEN FELLOWS convened as aforesaid (in which Case the Eldest FELLOW shall preside) shall be deemed a Meeting of the PRESIDENT AND FELLOWS of Said College, and that in all the Said Meetings the Major Vote of the Mem^{brs} present shall be deemed the Act of the whole, & where an Equivote happens y^e PRESIDENT shall have a casting Vote.

THAT the PRESIDENT AND FELLOWS of the Said College and their Successors in any of their Meetings assembled as aforesaid, shall and may from Time to Time as Occasion shall Require Elect and appoint a PRESIDENT or FELLOW in the Room and Place of any PRESIDENT or FELLOW who shall Die, Resign or be Removed from his Office, Place or Trust (whom the said GOVERNOR AND COMPANY Hereby Declare for any Misdemeanour, Unfaithfulness, Default or Incapacity shall be Removable by the PRESIDENT AND FELLOWS of the said College (six of them at least concurring in such Act,) and shall have Power to appoint a SCRIBE or REGISTER a TREASURER, TUTORS, PROFESSORS, STEWARD and all such other Officers and Servants, usually appointed in Colleges or Universities, as they shall find necessary and think fit to appoint for the promoting good Literature, and the well ordering and managing the Affairs of said College; And them or any of them at their Discretion to Remove, and to prescribe & administer such forms of Oaths (not being contrary to the Laws of England or of this Colony) as they shall think proper to be administred to all the Officers and Instructors of the said College, or to such and so many of them as they shall think proper, for the faithfull Execution of their Respective Places, Offices and Trusts.

THAT the PRESIDENT and FELLOWS shall have the Government, Care and Management of the said COLLEGE and all the Matters and Affairs thereunto belonging, and shall have Power from Time to Time as Occasion shall Require to make, ordain and establish all such wholesome and reasonable Laws, Rules and Ordinances, not Repugnant to the Laws of England nor the Laws of this Colony, as they shall think fit and proper for the Instruction and Education of the Students, and Ordering, Governing, Ruling and Managing the said College, and all Matters, Affairs and things thereunto belonging, and the same to Repeal and alter as they shall think fit, which shall be laid before this Assembly as often as Required, and may also be Repealed or Disallowed by this Assembly when they shall think proper.

THAT the PRESIDENT of said COLLEGE with the Consent of the FELLOWS shall have Power to give and confer all such Honours, Degrees or Licenses as are usually given In Colleges or Universities upon such as they shall think worthy thereof.

LATER ACTS OF THE LEGISLATURE

In 1792 a grant of money from the State of Connecticut was received, upon the condition that certain State officials should become members of the Board of Fellows, as below expressed:

In case this grant shall be accepted, in manner as hereinafter provided, the Governor, Lieutenant Governor, and six senior assistants in the Council of this State, for the time being, shall ever hereafter, by virtue of their said offices, be trustees or fellows of said College and shall together with the present President and Fellows of said College, and their successors, constitute one corporation, by the name and style mentioned in the charter of said College; and shall have and enjoy the same powers, privileges, and authority, in as full and ample a manner, as though they had been expressly named and included in said charter; And that in case of vacancy, by the death, or resignation, or in any other way, of any of the present Fellows of said College, and their successors, every such vacancy shall forever hereafter be supplied by them, and their successors, by election, in the same manner as though this act had never passed.

In the State Constitution, adopted in 1818, the privileges conferred by the Charter were reaffirmed, as follows:—

ARTICLE VIII, SECT. I.

The charter of Yale College, as modified by agreement with the Corporation thereof, in pursuance of an Act of the General Assembly, passed in May, 1792, is hereby confirmed.

In 1871, at the request of the Corporation, an Act was passed by the General Assembly and amended in 1872, providing (as follows) for the substitution of graduates in the place of the six senators among the Fellows:—

SECTION 1.—All graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, on the day next preceding the public commencement day of said College, in the year of our Lord eighteen hundred and seventy-two, cast their votes, under such regulations as the President and Fellows may prescribe, for six persons to be chosen from among such graduates; and the six persons who shall be found to be elected by a plurality of the votes cast, shall be the Fellows of Yale College in the stead of the six senior senators of the State, and shall have all the rights, duties, and privileges as Fellows which are now by law conferred upon said senators. In case of an equality of votes between two or more candidates, the person who shall hold the said office of Fellow shall be designated by lot from among the persons receiving such equality of votes.

† Changed in 1819 to the six senior senators.

SECTION 2.—The Fellows thus elected shall enroll themselves by lot in six classes, one holding the office for six years, another for five years, another for four years, another for three years, another for two years, and another for one year, eligible for re-election; and every year as a vacancy occurs, all graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, upon the day next preceding commencement day, in the manner heretofore prescribed, elect by a plurality of votes a person to fill the vacancy, and hold the office of Fellow for a period of six years, eligible for re-election; and so whenever a vacancy shall occur from death, resignation, or any other cause, such graduates may elect a person at the next commencement to fill the office of Fellow for the remainder of the term in which a vacancy has occurred. The official year of such Fellows shall end with the day next preceding each commencement day.

THE Trustees of the Sheffield Scientific School were, in 1861, incorporated in accordance with the following articles:—

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned, George J. Brush, Daniel C. Gilman, William P. Trowbridge, and John S. Beach, all of the city and county of New Haven, in the state of Connecticut, William Walter Phelps, of the city, county and state of New York, and Charles J. Sheffield, of the city of Cleveland, in the county of Cuyahoga, and state of Ohio, do hereby associate ourselves under the provisions of the statute laws of the state of Connecticut as a body politic and corporate for scientific purposes, and the following are our articles of association; to wit:

ARTICLE 1. The name of said corporation shall be THE BOARD OF TRUSTEES OF THE SHEFFIELD SCIENTIFIC SCHOOL.

ARTICLE 2. The object and purpose of said corporation is to promote the study of physical, natural and mathematical sciences in the college or school of science known as the Sheffield Scientific School, located at said city of New Haven.

ARTICLE 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors,—of whom by virtue of their respective official positions there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College and the chairman of the Trustees of the Peabody Museum of Natural History in Yale College; and the other six directors shall be the above named associates who shall hold said office until others are chosen in their stead; and whenever a vacancy shall arise from any cause among said six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be professors in the said Sheffield Scientific School, and the other elected directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

Dated at New Haven, Connecticut, Feb. 8, 1871.

This incorporation of the Board of Trustees of the Sheffield Scientific School was confirmed by Act of the General Assembly in 1882.

ACT OF INCORPORATION

Resolved by this Assembly:

SECTION 1. That the Board of Trustees of the Sheffield Scientific School shall be and remain a body politic and corporate under the provisions herein contained, and shall have the right to and enjoy all the rights, powers, and privileges herein granted, and shall own and possess all the estate and assets now vested in said corporation, or that may hereafter accrue to it as devisee or legatee, to the same extent in all respects as if said corporation had been originally organized under a charter containing the provisions of this act.

SEC. 2. The object and purpose of said corporation is, and shall continue to be, to promote the study of physical, natural, and mathematical sciences, in the college or school of science known as the Sheffield Scientific School, located at the city of New Haven, and to that end the said corporation may do all acts necessary and proper for the well ordering of its affairs, and may receive, hold, or convey any estate, real or personal, that may be conveyed to it, or that it now possesses, and said property, while so used for the promotion of science, shall be free from taxation.

SEC. 3. The property and affairs of said corporation shall be managed and conducted by a board of nine directors, of whom, by virtue of their respective official positions, there shall be three, consisting of the Governor of the state of Connecticut, the President of Yale College, and the Chairman of the Trustees of the Peabody Museum of Natural History in Yale College, and whenever a vacancy shall arise from any cause among the other six directors, a successor shall be chosen by all the remaining members of said board, but at least three of said directors, not including any of the ex-officio trustees, shall at all times be persons who are or who have been professors in the said Sheffield Scientific School, and the other elected directors shall be persons especially interested in promoting the welfare of the Sheffield Scientific School, and shall be chosen without regard to their residence or non-residence in the state of Connecticut, and without regard to their ecclesiastical preferences.

SEC. 4. The present officers of said corporation shall continue in their offices respectively until others shall be chosen under the provisions of this act.

SEC. 5. A majority of said directors, who are resident in New Haven, when met shall constitute a quorum.

SEC. 6. The directors, for the time being, shall have power to fill any vacancy which may happen in their board by death, resignation, or otherwise; they may appoint and employ such officers as they may deem necessary or desirable to effectuate the purpose and object above mentioned, and may make such by-laws and rules and regulations for the government and management of the affairs of said corporation as they deem reasonable and necessary: provided the same be not inconsistent with the laws of this state or of the United States, and the present by-laws of said corporation shall remain in force until they be altered or amended.

In March, 1887, an Act passed the General Assembly of the State, authorizing the use of the title "YALE UNIVERSITY" by the President and Fellows of Yale College, and providing that gifts to, contracts with, conveyances to or by, and other acts affecting said Corporation by either of the names specified shall be valid.

The courses of study offered in the University are comprehended in nine Schools, as follows:

† *Yale College*
† *The Sheffield Scientific School*
The Graduate School
The School of Medicine
The Divinity School
The School of Law
The School of the Fine Arts
The School of Music
The School of Forestry

The LIBRARY, the PEABODY MUSEUM OF NATURAL HISTORY, the OBSERVATORY, and the BOTANICAL GARDEN are severally organized independently of the special Schools, and are designed to contribute, in their appropriate spheres, to the instruction and advancement of the whole University. These Institutions and others connected with the University, and open to all of its students, are described in Section III of this Catalogue.

† The Freshman class is under the administration of a separate Dean and Faculty.

SECTION III

GENERAL UNIVERSITY PRIVILEGES

GENERAL UNIVERSITY PRIVILEGES

LIBRARIES AND PUBLICATIONS

THE total number of volumes in the several libraries of Yale University is over 1,250,000, not counting unbound pamphlets. The annual accessions exceed 40,000, including 9,000 serial publications.

The University Library proper, excluding specialized collections of various branches of the University, contains approximately a million volumes arranged in three connecting buildings, the Old Library, Linsly, and Chittenden Halls, and ranks high among the great collections of the world, for the value as well as for the number of its books.

It is especially strong in American (including Latin-American) and English history, economics, and literature of the seventeenth, eighteenth, and nineteenth centuries, fields in which it possesses much newspaper, periodical, and pamphlet material. Particular mention should be made of the large collection of first and important editions of American *belles lettres* presented by Mr. Owen F. Aldis (B.A. 1874); the Henry R. Wagner collection of British and Irish economic and historical tracts; the Parker collection of books on Napoleon; the Henry M. Dexter Library of Congregational history; the Ezra Stiles manuscript diaries and itineraries; and the Jonathan Edwards manuscripts.

It is also strong in oriental history and literature, including the Edward E. Salisbury collection of oriental books and manuscripts; the Count Landberg collection of Arabic manuscripts; the Alexander Kohut Memorial collection of Judaica; and the collection of Chinese and Japanese works begun by the late Professor S. Wells Williams. The J. Sumner Smith Russian Library, including general periodicals and publications of learned societies and aggregating over 6,000 volumes, is also important. Other collections include the William A. Speck Goethiana; the Roman Law Library, bequeathed by the late Professor Albert S. Wheeler; the Scandinavian Library of Count Riant; the Curtius Library of Classical Literature, especially of Classical Archaeology; and the R. von Mohl Library of Political Science. Other smaller collections in more limited fields, of which the Frederick S. Dickson collection of Fielding's works is a notable example, are too numerous for special mention.

The Library's collections of scholarly periodicals and the publications of learned societies are exceedingly valuable. It receives a large number of current Government publications such as the British

Parliamentary Papers, Hansard's Debates, the Calendars of State Papers, and a selected number of official publications from Canada, Central and South America, Belgium, Italy, Japan, Australia, and other countries. The Library's file of the United States Federal documents is nearly complete and all current issues as well as many documents of the separate states are received as soon as issued.

The Linonian and Brothers Library in the second story of Chittenden Hall contains about 25,000 carefully selected books to which additions, chiefly of the best current literature, are constantly being made. All students are allowed direct access to the shelves of this Library. The University Reading Room, in which are found books of reference and publications reserved for use in connection with special courses of study, is on the same floor of this building. Books received for the use of students of the Sheffield Scientific School in connection with their courses of study are deposited in the Library of Byers Hall, where current newspapers and periodicals are also on file. The Periodical Reading Room in the first story of Chittenden Hall and the Medical Reading Room in the Old Library contain over 1,200 of the leading scholarly periodicals and the Dwight Hall Library contains daily newspapers from the larger cities of the country. The History Reading Room is on the second floor of the Freshman Office building, at 120 College Street. The Andrews Memorial Library in Chittenden Hall supplies needy students of the College with many necessary textbooks. Similar Loan Libraries are maintained by the Department of the Social Sciences, and in the Sheffield Scientific School. Although the Library is designed especially for the use of students and officers of Yale University, its resources are available to graduates, residents of New Haven, and visitors who may have occasion to consult them. Details as to Library hours and regulations are given under Section VII of the University Catalogue.

Other collections of importance in the University are the Elizabethan Club Library with its unusual collection of Shakespeare folios and quartos and early editions of other Elizabethan dramatists; the Lowell Mason Music Library; and the library of the American Oriental Society on deposit in the University Library. Details as to these special collections are given under equipment of the various schools and departments.

The Yale University Press was founded in 1908 with the approval of the Corporation by George Parmly Day (B.A. 1897), now Treasurer of the University, with the ideal of striving to advance the cause of scholarship and letters throughout the world by the publication of works possessing permanent interest and value. The entire capital stock of the Press, originally subscribed for by Mr. Day, was in 1920 presented by him to the University, which thus acquired the owner-

ship of the copyrights, plates, and other assets of the Press without having to exercise the option to purchase these contained in the original agreement. Under this agreement the Press covenanted to publish no manuscript until this had been approved by the University Council's Committee on Publications, consisting at present of Professor Russell H. Chittenden, Chairman, Professor Wilbur L. Cross, Professor Max Farrand, Professor Edward Parmelee Morris, Professor Clive Day, and Secretary Anson Phelps Stokes. In its operations the Press has been hampered from the outset by the lack of adequate endowment but has in spite of this difficulty won an international reputation for itself and for the University by noteworthy publications in the fields of literature, science, economics, *belles lettres*, art, religion, history, and government. As a result of these there have been numerous gifts of publication funds to the University to encourage the issue of volumes in various fields; and in 1918 Mrs. Harriet Trumbull Williams presented to the Press for a permanent home the building at 143 Elm Street as a memorial for her son, Lieutenant Earl Trumbull Williams (B.A. 1910), 301st United States Field Artillery, who died May 7, 1918. A bequest of \$25,000 made by him to the University was, by vote of the Corporation, devoted to the equipment of the Earl Trumbull Williams Memorial.

The Yale Review, edited by Professor Wilbur L. Cross, Dean of the Graduate School, also strives for the highest editorial standards and publishes articles and reviews of literary and scholarly merit. It is independently conducted, although the election of its Editor is subject to the University Council's Committee on Publications.

The Yale Law Journal is a legal periodical, published monthly during the academic year by the Yale Law Journal Company and edited by students and members of the Faculty of the Yale School of Law.

The Yale Alumni Weekly forms a close link between the University and its graduates. The *Yale Divinity News*, published quarterly, is edited by the Faculty of the Divinity School. A number of undergraduate publications are successfully conducted, including the *Yale Literary Magazine*, the first college periodical established in this country, and the *Yale Daily News*, the oldest daily paper of any college. A number of other publications of a technical nature or in lighter vein are also published by the students.

COLLECTIONS

Yale University has a valuable palæontological collection, for many years housed in Peabody Museum, which was torn down when work was begun on the Memorial Quadrangle. Pending the erection

of a new building on Pierson-Sage Square, a portion of the items are temporarily mounted at the Osborn Laboratories, which contain also the Babylonian and Palestinian collections. There is an archaeological collection in Phelps Hall and the Rebecca Darlington Stoddard Collection of Greek and Etruscan Vases in Memorial Hall. Of historical interest are the Autograph Letters and Engravings of Eminent Yale Men and the Morris Steinert Collection of Musical Instruments and Manuscripts, also in Memorial Hall.

The School of the Fine Arts contains the Jarves Collection of Italian Art, numbering one hundred and twenty paintings from the thirteenth to the seventeenth centuries; the Trumbull Gallery of Historical American Paintings; the Alden Collection of Belgian woodcarvings of the seventeenth century, comprising about one hundred and twenty feet of wainscoting, including three confessionals, from a chapel in Ghent; the Frederick Wells Williams loan collection of Chinese porcelains and bronzes, and a number of other valuable objects of art; sketches by old masters, examples of contemporaneous work, casts and marbles representative of various periods of ancient and Renaissance art; bronzes; and Braun autotypes and Arundel prints to the number of about four hundred. These are from time to time supplemented by special collections and exhibitions.

RESEARCH AND INVESTIGATION

The Departments of the University are devoted to investigation, as well as instruction in the various fields of knowledge which they represent. Emphasis is rightly placed upon the fact that the University exists for the promotion and diffusion of knowledge, as well as for the preparation of students for pursuits which require special proficiency in certain subjects.

Opportunities and facilities for research vary according to the field of study chosen. The large collections in the University Library offer unusual opportunities for research in the domain of language, literature, and the arts, and in history and the social sciences. The various laboratories—of physics, chemistry, geology, psychology, zoology and botany, comparative anatomy, the physiological sciences, bacteriology and public health, mineralogy, the medical sciences, and of the several branches of engineering—furnish possibilities for investigations in the broad domain of the physical and natural sciences and engineering. In addition to this there are large collections of material suitable for investigation in directions not specially provided for in the laboratories already referred to. As examples, the Peabody Museum collection, the archaeological col-

lections, and the Babylonian collection of clay tablets and other original material, may be mentioned.

Opportunity is furthermore offered for coöperative research in connection with other publicly and privately endowed institutions. For example, a member of the Yale Faculty is also the Director of the Bernice Pauahi Bishop Museum in Honolulu, and arrangements with the Government Observatory at Wellington, New Zealand, give the University a share in the making of zone photographs in the southern hemisphere. The editing and publication at the University of a number of technical journals constitutes a further encouragement to research and an added assurance for the research student. Research fellowships and funds are available and provide a substantial form of aid to those students who qualify on the basis of proficiency. In several departments instructors and students meet periodically as clubs for research and criticism. Some conception of the types and extent of the researches conducted may be gained from the annual published bibliographies of the officers of the University.

The South American Expeditions and Collections, including some twelve thousand original photographs, many maps, several hundred specimens of ancient pottery, textiles, and bronzes, are also established in New Haven. This organization, in conjunction with the Harvard Observatory at Arequipa, maintains as well four meteorological stations at various elevations in Peru.

The Yale Observatory on Prospect Street is chiefly engaged in photographic work of an experimental character. Its principal instruments include a six-inch heliometer, an eight-inch equatorial, two sets of meteor cameras, a transit instrument, a photographic transit instrument, with clocks and chronographs. A polar heliostat of fifty-feet focal length and with lenses of fifteen and ten inches aperture, respectively, has recently been added to the Observatory equipment.

The Botanical Garden, for production and study of rare shrubs and trees, is under the control of the School of Forestry. A forest nursery where from one to two hundred thousand plants are grown annually is here maintained. The Garden is open to the public.

Additional information regarding opportunities for research and investigation throughout the University may be found under the sections devoted to the various Schools in the University Catalogue and in the Catalogues published by these Schools. It is impossible within the limits of this brief statement to present an adequate idea of the extent to which research and experimental work is carried forward at the University and the precise character of the far-reaching and often notable results obtained.

LECTURES, CONCERTS, ET CETERA

Lecturers are brought to New Haven from time to time during the college year by the University or by associations connected with it. The lecture courses annually given on certain foundations, including the Lyman Beecher Lectures on Preaching, the Silliman Memorial Lectures on the Sciences, the Trowbridge Lectures on Fine Arts, the Dodge Lectures on the Responsibilities of Citizenship, and the Bromley Lectures on Journalism and Public Affairs give the student body the opportunity of hearing men of distinction from this and other countries.

Musical engagements annually arranged include the University Chamber Concerts during the winter and spring months; Symphony Concerts; Free Organ Recitals in Woolsey Hall on Sunday afternoons; the Whiting Recitals of Chamber Music; performances by students in the School of Music; and several concerts by distinguished artists. The undergraduate musical and dramatic associations also present interesting programs from time to time. Debating organizations are conducted by the undergraduates for the purpose of forensic training and intercollegiate debates are held during the year. The training afforded undergraduates through the musical, dramatic, and debating associations, the boards of various publications and the undergraduate managerial or administrative positions often proves of value in broadening a student's general education, and participation in some extra-curriculum activity, provided it is not allowed to interfere with a student's scholarship, is encouraged by the University authorities.

RELIGION AND SOCIAL SERVICE

The privileges of "The Church of Christ in Yale University," whose pastor is the Rev. Charles Reynolds Brown, D.D., LL.D., are extended to all students of the University. Public worship is observed every Sunday. There are two services: College Prayers in Battell Chapel at 10 o'clock and the University Preaching Service in the Chapel or in Woolsey Hall at 11 o'clock. College students residing with their families or regularly attending the Preaching Service or other churches, and others who have a satisfactory record, may arrange at the Dean's Office to be excused from the 10 o'clock Prayers. Students in all Schools of the University are cordially invited to the 11 o'clock Preaching Service. The University Church is non-sectarian.

Preachers for the Sunday service are appointed by a Joint Committee of the Corporation, Faculty, and Students which endeavors to select as preachers those who are in daily contact with active life

and who through their knowledge of young men are especially fitted to interest and stimulate University audiences. A Communion Service, conducted by the Pastor of the University Church and the preacher of the morning, is held on the first Sunday of each month in term time. Invitation to it is extended by the President to "all those who love the Lord Jesus Christ in sincerity and truth."

Morning prayers, at which attendance of all the students of the College and of The Freshman Year is required, are conducted in Battell Chapel by officers of the University every week day at 7.50 A.M. for Freshmen and at 8.50 A.M. for Sophomores, Juniors, and Seniors of the College.

Opportunities for social service work at Yale are many and interesting. The Yale University Christian Association has its headquarters in Dwight Hall on the College Campus, the Sheffield Scientific School branch having its own rooms in Byers Hall. Besides the Association offices, an auditorium, grill room, and separate rooms for religious services, Bible classes, and kindred work, there are in each building convenient reading and recreation rooms, and many undergraduate meetings are held here for social purposes. Discussion groups, conducted by leading members of the Faculty, afford opportunity for informal study of economic, moral, and other problems.

Social service work is largely centered in this organization which conducts several boys' clubs in the city of New Haven. The Yale Hope Mission, supported by undergraduates under the general supervision of the Christian Association, has done excellent work of the "rescue mission" type, especially among men without regular employment.

The Yale Legal Aid Society with a regularly maintained office, is an informal organization for students in the School of Law which has for its purpose the rendering of legal aid and assistance to those who are unable to employ their own counsel.

The Yale Foreign Missionary Society, incorporated in 1902 for the conduct of a Christian educational institution in China, is the outgrowth of a strong interest in missions among the student body and alumni of Yale. Under Timothy Dwight (B.A. 1849), as first President, representatives were sent to China and the institution was located at Changsha, a city of 300,000 population, the capital of Hunan, one of China's illustrious provinces. Collegiate preparatory teaching and dispensary work began in 1906. After thirteen years the institution, called by the Chinese "Yali" and familiarly known at home as "Yale in China," has grown to include a Preparatory School with one hundred and fifty pupils; a College Department with fifty students taking a four-year course leading to the degree of B.A.; a Medical School with one hundred students in four medical

and three pre-medical classes; and a School for Nurses in which fifty young men and women are enrolled. Over thirty thousand patients are treated annually at the Yali Hospital. By act of the Connecticut legislature Yale is now empowered to confer degrees. Yale in China to-day represents a continuation of the Yale traditions for Christian service, is an active extension of the educational influence of the University and is a strong force in cementing friendly relations between China and the United States.

On the thirty-acre campus in the north suburb of Changsha there now stand, in the college group, a dormitory, a chapel, a recitation building and a laboratory of science, the latter being the gift of the China Medical Board of the Rockefeller Foundation, together with faculty residences; and in the medical group, a thoroughly fireproof, modern hospital, the gift of a member of the Class of 1897, together with the first unit in the medical college group which is to be erected entirely with funds provided by the Chinese. The financial support of the institution is derived from four sources: (1) fees for tuition and treatment and local subscriptions; (2) an annual grant-in-aid from the China Medical Board towards maintenance of hospital staff and pre-medical teachers; (3) an annual grant secured by local Chinese from the provincial government [this spirit of coöperation is further evidenced by gifts of land and funds for building]; (4) the annual subscriptions of Yale men, their families, and others interested in the undertaking. There are now on the staff fifteen teachers, ten physicians, four nurses, and a business agent; in addition to thirteen Chinese associates. The permanent teaching force is annually augmented by the appointment of several carefully chosen assistants from the graduating classes of Yale University. This selected group combines teaching and personal work with students, with a year of opportunity in the Orient where the ideals of a Christian American university are being used in the training of leaders for China.

THE DEPARTMENT OF UNIVERSITY HEALTH

The Department of University Health has general supervision of student health. A careful and complete medical examination is required of all students entering college for the first time, of all those who are candidates for competitive athletic teams, and of certain other special groups. Sanitary supervision is maintained over the University Dining Hall, the dormitories, and other university buildings.

The offices of the Department, which are centrally located at 116 High Street, serve as a central bureau of information on any matter connected with the students' health.

In case of sickness, the members of the Department staff care for

those students who can present a statement from the Bureau of Appointments that they are largely dependent on their own resources for meeting their expenses. Others are referred to qualified local physicians. The same arrangement applies to those ill in the Infirmary.

THE INFIRMARY

The Infirmary, which is under the supervision of the Department of University Health, is situated on Prospect Hill. It provides a comfortable, homelike place for the care of the sick. The more serious contagious diseases are cared for at the modern Isolation Pavilion of the New Haven Hospital.

The regular Infirmary charge is \$3.50 a day, which includes the services of the regular nursing staff. Additional charge is made for medical attention and special nursing, and for medicine and laundry. Certain funds are available for use by self-supporting students in the reduction of Infirmary charges.

GYMNASIUM

The University Gymnasium is designed to provide all students in the University with an opportunity for general exercise. Specific training for the correction of remediable physical defects is provided. The Gymnasium is under the supervision of a Director who is a physician. Progressive gymnastic training is offered to all members of the University, and an Instructor is always present in the main exercise hall to direct individual and class work. Physical measurements are offered to each student and the record of the results is kept as a basis of advice as to physical development.

The Gymnasium buildings contain adequate shower equipment and a Turkish bath; bowling alleys and squash courts; dressing rooms with over a thousand lockers in addition to those which are reserved for the different teams; two rowing-tanks; fencing-, wrestling-, and boxing-rooms; and a main exercise-hall with a floor area of ten thousand square feet fully equipped with modern apparatus and an indoor track. Directly connected with the Gymnasium is the Carnegie Swimming-Pool with ample accommodation for spectators.

ATHLETICS

The Board of Control derives its authority from the following vote of the Corporation passed October 16, 1916: "Voted that the Board of Control of the Yale University Athletic Association be directed to assume jurisdiction on behalf of the Corporation in all matters relating to the conduct and management of athletic sports within and

without the precincts of the University." This Board consists of representatives of the Faculty, the graduate and undergraduate bodies. The general details of administration are in charge of a Director of Athletics and a Staff of Assistants.

A carefully supervised system of compulsory exercise for first-year undergraduates and the encouragement given the student body to participate in general athletics place a positive emphasis on the individual student's keeping physically fit. All students are encouraged to take regular recreational exercise, ample opportunities being provided with this end in view.

No student is eligible to compete in organized athletics until he has been certified to by the Department of University Health as being physically qualified for the particular sport for which he is a competitor.

The Yale Fields are situated conveniently on the western edge of the city about a mile and a half by direct trolley line from the University. The old field, comprising thirty acres, has several baseball and football grounds, a quarter mile running track with two hundred and twenty yard straight-away, a baseball grandstand, the Freshman football stands, and the traps of the Gun Club. The new Yale Field, a tract of one hundred acres situated directly opposite the old field, is being steadily developed with a view to increased athletic accommodations for the entire University. The Yale Bowl, erected by the graduates, is located here. It covers about twenty-five acres and has a maximum seating capacity of over seventy-four thousand.

The University Tennis Courts are situated on Pierson-Sage Square. The Adece Boat House on New Haven Harbor provides complete equipment for University and Class crews. Informal participation in rowing is encouraged with a resulting increase in the number of undergraduates who make use of these facilities. At Gales Ferry on the Thames River are quarters and equipment for training the University and Freshman crews in preparation for their final races. Before candidates for any crew are admitted to participation in any competition on the water, it is required that they demonstrate their ability to swim.

A specially designed baseball "Cage" with a complete infield has been erected in the rear of the Gymnasium for indoor practice of track, football, and baseball teams. It is well lighted and has a specially prepared dirt floor; adjoining this "Cage" is a seventy yard straight-away indoor track with jumping and vaulting pits.

The Yale Coöperative Association furnishes its members with athletic goods as well as with books and other supplies at a substantial reduction from current retail prices.

STUDENT SELF-SUPPORT

It has always been an aim of Yale University to assist as fully as possible deserving students of limited means. For this purpose a large number of scholarships and prizes are offered as described elsewhere in this Catalogue. The Bureau of Appointments, located in Houghton Hall, is maintained specifically to render assistance to self-supporting students toward obtaining remunerative employment, as well as to govern the assignment of beneficiary scholarships. Here also, in cases of necessity, loans are made to deserving students. Those about to matriculate, as well as undergraduates in need of financial assistance, are encouraged to apply to the Bureau which assists over six hundred men annually. The Bureau seeks to act as a link between progressive employers and Yale Seniors or graduates, furnishing a clearing house for economic opportunities of all sorts. The industrial department assists many graduates in securing favorable positions each year, while the teaching department keeps in close touch with those in the teaching field. A pamphlet entitled "Student Self-Support," giving information as to college expenses and details regarding the means by which students may wholly or partially pay their own way, will be sent free of charge to any address, upon application to the Director.

UNIVERSITY DINING HALL

The Yale Dining Hall, which is situated in University Hall and which contains seats for more than twelve hundred persons, has been temporarily closed.

POST OFFICE AND TELEPHONE FACILITIES

Yale Station, centrally located to all schools of the University in Fayerweather Hall, is a branch of the New Haven City Post Office and provides two thousand boxes and other postal conveniences. The central telephone station of the University, at the entrance to Berkeley Oval, is adjacent to Yale Station. Pay stations of the Southern New England Bell Telephone Company are located in various University buildings as well as in the central station.

SECTION IV

THE BUILDINGS OF YALE UNIVERSITY

THE BUILDINGS OF YALE UNIVERSITY

DORMITORIES ON THE OLD CAMPUS

CONNECTICUT HALL. In 1749 the General Assembly of the Colony of Connecticut voted to erect a second building for the College (the first, on the site of Osborn Hall, having been erected in 1718), and secured the necessary funds from the sale of a captured French vessel and an authorized lottery. The first stone was laid April 17, 1750, and the building was completed in 1752 and used as a dormitory, dining hall, library, and museum. The southeast corner room was known as the butler's room or buttery, where "Cider, metheglin, strong beer, loaf sugar, pipes, tobacco, and such necessities of scholars as are not furnished in the common hall" might be secured. This institution, a famous one borrowed from English College custom, was abolished in 1817. About 1820 the name was changed to South Middle College and so remained until 1905, when the building was restored to its original form and name. Nathan Hale roomed here, and his statue by Bela Lyon Pratt (B.F.A. 1899) stands in front of the building. The Dean and Registrar of the College have their offices on the lower floor and the other three stories are used as a Senior dormitory.

FARNAM HALL, erected in 1869, through the generosity of Henry Farnam of New Haven, was the first modern dormitory to be built for the College. It is situated near the northeast corner of the Old Campus on the former site of the President's house. The latter was built by legislative grant in 1797 and after serving as the home of several College Presidents, was converted into a chemical laboratory. Finally it was used as the first home of the Scientific School, until in 1860 it was removed.

DURFEE HALL was the second College dormitory to be erected as part of the College Quadrangle. It was the gift of Bradford M. C. Durfee (B.A. 1867) of Fall River, Massachusetts. It was remodeled in 1905. On the Elm Street side several rooms have been fitted up in the basement for the use of the managers of the athletic organizations.

LAWRANCE HALL, situated on College Street south of Farnam Hall, is five stories in height and of red brick, resembling Durfee in general plan. It was the gift of Mr. and Mrs. Francis C. Lawrance in mem-

ory of their son, Thomas Garner Lawrance (B.A. 1884 *post obit.*), of New York City, who died in his Senior year. This dormitory was the third to be erected outside the line of the Old Brick Row. In 1907 it also was remodeled.

WELCH HALL. On College Street, facing Connecticut Hall, stands Welch Hall, completed in 1892, the gift of Pierce N. Welch (B.A. 1862), of New Haven; it is now used as a Senior dormitory.

VANDERBILT HALL was erected in 1893, the gift of Mr. and Mrs. Cornelius Vanderbilt, in memory of their son, William Henry Vanderbilt (B.A. 1893 *post obit.*). It is built in Collegiate Gothic style of brownstone and used as a Senior dormitory. It surrounds an open court facing south on Chapel Street.

WRIGHT MEMORIAL HALL, a Collegiate Gothic building of East Haven sandstone, was erected in 1911 by the alumni in appreciation of Henry Parks Wright, LL.D. (B.A. 1868), Dean of the College from 1884-1909. It occupies the northwest corner of the Campus, where, during the sixty years previous, stood Alumni Hall, the first building erected (1853) by general graduate subscription.

OTHER BUILDINGS ON THE OLD CAMPUS

SCHOOL OF THE FINE ARTS. In 1864, Augustus Russell Street (B.A. 1812) erected and endowed a building for the purpose of a School of the Fine Arts, the first school of this type to be associated with any University. The Trumbull Collection of American Historical Paintings was here installed in 1868 and the Jarves Collection of Early Italian Art in 1871. An addition, increasing the class-room and gallery facilities, was completed in 1911.

BATTELL CHAPEL, adjoining Durfee and Lawrance Halls, was erected on the northeast corner of the College square in 1876, and named in honor of Joseph Battell and his family of New York City, whose gifts defrayed the major expense. The Chapel is of rough brown sandstone, and contains a rose window on the Elm Street side, and memorial windows to President Woolsey and others.

DWIGHT HALL, named in honor of the second President Timothy Dwight, was erected in 1888 by Elbert B. Monroe (Hon. M.A. 1894), of Southport, Connecticut, to provide a religious center for the College. It is built of brownstone and contains the University Y. M. C. A. offices, reading rooms, and a grill. It was one of the first College Association houses and has been the model for many similar buildings at other institutions.

OSBORN HALL is at one's left on entering the Campus from College Street. It was erected in 1888, by gift of Mrs. Miriam A. Osborn and is used for recitations and for class meetings.

THE OLD LIBRARY was erected in 1842 by sundry subscriptions with additions from Yale College. It provided accommodations for the old Debating Societies—Linonia (founded in 1753), Brothers in Unity, and Calliope. The books in most active circulation are kept in CHITTENDEN HALL, given by Simeon B. Chittenden (B.A. 1865), of New York City, and LINSLEY HALL, erected in 1905 by William B. Ross (B.A. 1852) in honor of Jared Linsley (B.A. 1826). The former contains the Reference Library and Catalogue, the Reading Room and the Library of general literature known as Linonian and Brothers.

PHELPS HALL, situated between Welch and Lawrance Halls, is built of brownstone and used for recitation rooms for the Classics. It was the gift, in 1895, of sums derived from bequests of John J. Phelps of New York City, and of his son, William Walter Phelps (B.A. 1860), of Englewood, New Jersey, with additions from the Phelps family.

BUILDINGS ADJACENT TO THE OLD CAMPUS

THE BERKELEY OVAL is directly across Elm Street from the Old Campus. It is a group of brick buildings uniform in style, surrounding an open court named for Bishop George Berkeley in recognition of the assistance he gave Yale College in its early days. BERKELEY and WHITE HALLS, erected in 1893-94, were the first of the Oval dormitories. The former was built by the College and the funds for White Hall were donated by Dr. Andrew J. White (M.D. 1846).

FAYERWEATHER HALL, on the south side of the Oval, was completed in 1901 and is named in honor of Daniel B. Fayerweather, of New York City, from part of whose bequest it was erected. The University Branch Post Office, known as Yale Station, occupies the basement and students' mail is here distributed on the box-delivery system.

LAMPSON HALL, the gift of William Lampson (B.A. 1862), was erected in 1903. This building, standing across the inner end of the court, contains class-rooms for the modern languages, and an auditorium which is used for public exercises and as a lecture-room for large classes.

HAUGHTON HALL, named after Ann Haughton McLane and completed in 1909 through a legacy from her husband, William L. McLane (B.A. 1869), completes the Berkeley Oval buildings which house over three hundred students in addition to providing offices for many University and undergraduate activities.

KENT CHEMICAL LABORATORY, located on High Street opposite the Library, was built in 1887, the gift of Albert E. Kent (B.A. 1853) and

William Kent (B.A. 1887), of Chicago. It has been twice enlarged and now has laboratories for organic and physical chemistry, private research laboratories and offices.

SLOANE LECTURE HALL. In 1882-83 a Physical Laboratory was erected on the south side of Library Street and equipped for use by Henry T. Sloane (B.A. 1866) and Thomas C. Sloane (B.A. 1868), of New York City, as a memorial to their father, William Sloane. When the Sloane Physics Laboratory was erected on Pierson-Sage Square this older building was assigned to the Departments of Economics and Mathematics as a recitation building.

HOPKINS HALL, a brick building on High Street, which was for many years the Hopkins Grammar School, now houses the Geological Department of the College.

The **PSYCHOLOGICAL LABORATORY**, formerly located in Herrick Hall, which was demolished to make room for the Harkness Memorial, has been transferred to a building on York Street.

MEMORIAL QUADRANGLE. The most extensive group of buildings yet erected by the University occupies the square bounded by York, Library, High and Elm streets. This Quadrangle, Collegiate Gothic in style, is made up of a number of dormitories surrounding interior courts and a memorial tower named in honor of Charles W. Harkness (B.A. 1883), the whole Quadrangle being the gift of his mother, Mrs. Stephen V. Harkness. The Memorial Quadrangle is one of the best examples of Gothic architecture and is described by competent critics as being the most beautiful group of college buildings in America. A section of these dormitories is being used this year for the first time; the entire Quadrangle, housing approximately 630 students, will be ready for occupancy in the fall.

The **BICENTENNIAL BUILDINGS**, of Indiana limestone, erected in 1901 and 1902 by the alumni to commemorate the founding of the University two hundred years before, are situated on the corner of Grove and College streets where they are central to all Schools of the University. One wing extending along Grove Street contains the **UNIVERSITY DINING HALL** with its dignified interior containing portraits of many noted men connected with Yale. Annually the Junior Promenade, the leading social function of the college year, is held in the Dining Hall. Along College Street is **WOOLSEY HALL** where are held the Commencement exercises and other events important in the University life, such as lectures, musical and other recitals and certain preaching services. The hall has seats for 2,800 people. The Newberry organ, one of the largest in the country, which was the gift of Mrs. Helen Newberry Joy, John Stoughton Newberry and Truman Handy Newberry (Ph.D. 1885), is here installed. **MEMORIAL HALL**, a circular building with a domed rotunda, joins Woolsey and the Dining Hall. In the President's room is the Stoddard Collection

of Greek and Etruscan Vases. In adjoining rooms and corridors are the Steinert Musical Collection, and a series of Autograph Letters and Portraits of Eminent Yale men.

WOODBIDGE HALL, also a limestone building, the gift of the Misses Caroline and Olivia Stokes of New York City, contains the University Administration offices. The Yale Corporation and its administrative committees and the University Council hold their meetings in the Corporation Room on the second floor.

BUILDINGS OF THE SHEFFIELD SCIENTIFIC SCHOOL†

SHEFFIELD HALL, formerly the Medical College, was equipped for scientific purposes in 1859 by Joseph E. Sheffield of New Haven, who later enlarged it, adding two wings for laboratories and recitation rooms. The Administration Offices of the Scientific School and the Bacteriological laboratories are now located here.

NORTH SHEFFIELD HALL, a recitation building, was erected in 1874, also through the generosity of Mr. Sheffield. The building is of brick, located on Prospect Street.

WINCHESTER HALL was erected in 1892 by Mrs. Oliver F. Winchester of New Haven, as a memorial to her husband. The building is also of brick and is used for courses in Mechanical and Civil Engineering. In the basement is a thoroughly equipped laboratory for cement testing.

The SHEFFIELD LABORATORY OF PHYSIOLOGICAL CHEMISTRY, a brick and stucco building on Hillhouse Avenue, originally the home of Mr. Joseph E. Sheffield, was by him bequeathed to the Sheffield Trustees in 1889.

BYERS MEMORIAL HALL was presented to the University in 1902 by Mrs. Martha F. Byers of Pittsburgh, in memory of her husband and their son, Alexander MacBurney Byers, Jr. (Ph.B. 1894). It is a limestone building, harmonizing with the Bicentennial Buildings opposite. It was designed to promote the social and religious life of the students, and was built upon a site given by John Phelps Atwater, M.D. (B.A. 1834). The basement and the first story contain the club rooms, the second story is devoted to the uses of the Y. M. C. A., while the third story is arranged for students' rooms.

KIRTLAND HALL, presented in 1902, stands on Sheffield Square facing Hillhouse Avenue, and was the gift of Mrs. Lucy H. Boardman of New Haven as a memorial to her uncle, Professor Jared Potter Kirtland (M.D. 1815). It is a stone building, and is used for the labora-

† All the buildings enumerated under this heading, excepting Sheffield Hall and Byers Memorial Hall, are held by the Board of Trustees of the Sheffield Scientific School.

tories and collections of mineralogy, physical and economic geology, and geography. In 1904 the Brush Collection of Minerals and the library of Professor George Jarvis Brush (Ph.B. 1852) were deposited in this hall.

THE VANDERBILT-SCIENTIFIC HALLS were built in 1903 and 1906 by Frederick W. Vanderbilt (Ph.B. 1876), of New York City, on the Wall and College streets sides of Vanderbilt Square, forming part of a projected quadrangle. They are Collegiate Gothic buildings of Indiana limestone and are used primarily as Freshman dormitories by the Scientific School. A tower in the center of the College Street front gives access through a vaulted passage to the Quadrangle.

SHEFFIELD CHEMICAL LABORATORY was erected on Sheffield Square in 1894, the gift of sundry donors. It is built of brick and is used for recitation purposes.

THE HAMMOND MINING AND METALLURGICAL LABORATORY was presented to the Sheffield Trustees in 1903 by John Hays Hammond (Ph.B. 1876). It is thoroughly equipped with machinery and apparatus for assaying, ore dressing and other phases of mining work. It is situated on Mansfield Street and has a private siding to the railroad. The construction is of red brick laid in white mortar, with white limestone trimmings. It is provided with a large lecture room on the third floor, a museum on the second for the exhibition of metallurgical and other specimens, and a room extending the width of the building, designed for experimental work in milling machinery.

LEET OLIVER MEMORIAL HALL is situated on the northern end of Sheffield Square and was given by Mrs. James Brown Oliver of Pittsburgh in 1907 in memory of her son, Daniel Leet Oliver, a member of the Class of 1908 Sheffield. It is a Collegiate Gothic building of Indiana limestone, used by the Scientific School as a recitation and lecture hall for courses in English, Economics, History and Modern Languages.

THE MASON LABORATORY OF MECHANICAL ENGINEERING was given in 1910 by William Smith Mason and George Grant Mason, both of the Class of 1888 Sheffield. Constructed of brick with a limestone façade on Hillhouse Avenue, it extends through to Temple Street in the rear. In this Laboratory is installed a complete machine testing plant, with large units affording unusual opportunities for experimental work and practical instruction.

THE DUNHAM LABORATORY OF ELECTRICAL ENGINEERING, given by Austin C. Dunham (B.A. 1854), of Hartford, and others, is a stone and brick building facing Hillhouse Avenue, erected in 1912 as a memorial to Noah Porter, President of Yale from 1871 to 1886, and to James Hadley (B.A. 1842), Professor of Greek from 1848 to 1872.

BUILDINGS OF THE GRADUATE AND PROFESSIONAL SCHOOLS

HENDRIE HALL, the headquarters of the Law School, was erected in 1894 from the gifts of John W. Hendrie (B.A. 1851), of Stamford, Connecticut, and others. It is of brick with a limestone façade, situated just below College Street facing the Green.

MARSH HALL, on Prospect Street, the former residence of Othniel C. Marsh (B.A. 1860), the first Professor of Paleontology, was by him bequeathed to the University in 1900. It is used by the Yale School of Forestry for its administration offices and as a recitation hall.

SPRAGUE MEMORIAL HALL, named in honor of Albert Arnold Sprague (B.A. 1859), the gift of Mrs. Sprague and Mrs. Frederic S. Coolidge, his wife and daughter, standing on the site of the house formerly owned by President Dwight, is the headquarters of the School of Music. It contains a large auditorium suitable for chamber music recitals and small concerts, and practice and lecture rooms and the Music Library. It was dedicated in November, 1917.

The **BRADY MEMORIAL LABORATORY** was the gift of the family (Nicholas F. Brady, B.A. 1899, and James C. Brady, B.A. 1904) of Anthony N. Brady, of Albany, in 1914, and was built on the grounds of the New Haven Hospital in the general style of the other hospital buildings. All pathological, bacteriological, serological and chemical work of the Medical School is done here.

The **NEW HAVEN DISPENSARY** was erected in 1901 by gifts to the University from Mrs. Thomas G. Bennett, of New Haven, in memory of her mother, Jane Ellen Hope. It is located on Cedar Street opposite the New Haven Hospital and its work is in correlation with that of the Hospital.

The **MEDICAL HALL** on York Street, containing two lecture rooms and four laboratories, was built in 1859-60, and in 1893 the **MEDICAL LABORATORY BUILDING** was added in the rear. The latter and **NATHAN SMITH HALL**, purchased from the Elm City Hospital in 1918, furnish accommodations for the Departments of Physiology, Pharmacology and Public Health.

GIBBS HALL, purchased by the University in December, 1895, was named in honor of Josiah Willard Gibbs (B.A. 1858) and assigned in 1916 by the Corporation of the University to the Graduate School as its Administration Building.

The **DIVINITY SCHOOL** on the corner of Elm and College streets occupies four buildings, the two dormitories, built in 1869 and 1871, being originally known as East and West Divinity. In 1909 East Divinity was renamed **EDWARDS HALL**, in recognition of Jonathan

Edwards (B.A. 1720), and West Divinity changed to TAYLOR HALL, in honor of Nathaniel W. Taylor (B.A. 1807). MARQUAND CHAPEL, the gift of Frederick Marquand, of New York City, in 1871, extends between Edwards and Taylor Halls on Elm Street and the DAY MISSIONS LIBRARY, erected from the bequest of Professor George E. Day (B.A. 1833) and Olivia H. Day, of New Haven, in 1910, similarly joins the rear of the two wings, thus completing an interior court enclosed by the four Divinity School buildings.

OTHER UNIVERSITY BUILDINGS

The SLOANE PHYSICS LABORATORY was given to the University in 1910 by Henry T. Sloane (B.A. 1866) and William D. Sloane (Hon. M.A. 1889), of New York City. It is located on Pierson-Sage Square, and used by three departments, Academic, Scientific and Graduate, for recitation and research purposes. It is of Longmeadow brownstone, Collegiate Gothic in style.

The OSBORN MEMORIAL LABORATORIES, finished in the year 1913-14, the gift of Mrs. Miriam A. Osborn, are also on Pierson-Sage Square and similar in design. These include the Botanical Laboratory on Prospect Street, and the Laboratories of Zoology and Comparative Anatomy facing Sachem Street.

The YALE OBSERVATORY. A site on Prospect Street for an observatory for astronomical and physical research was given by Mrs. Cornelia L. Hillhouse and her daughters. In 1879 additional land was bought by Oliver F. Winchester and presented to the College; what is now the main building was also erected by Mr. Winchester, together with the two wings containing a heliometer and an equatorial telescope. An extensive addition to house a polar heliostat was erected in 1916.

The YALE INFIRMARY is situated on Prospect Street, and was built in 1892, the gift of sundry donors. In 1906 it was enlarged through the generosity of Mrs. Charles P. Taft of Cincinnati.

The UNIVERSITY GYMNASIUM, the gift of graduates, was begun in 1888 and finished in 1892. It is of terra cotta brick. The basement contains the baths and rowing tanks for the crews; the second floor is used for the exhibition of trophies, the dressing rooms and baths; while on the upper floor is the general exercise-hall. In the rear of the Gymnasium are the CARNEGIE SWIMMING POOL, given by Andrew Carnegie in 1909, the BASEBALL CAGE, completed in 1912, and the SQUASH COURTS AND BOWLING ALLEYS, built during the summer of 1915.

ARTILLERY HALL was opened in November, 1917. This is built in the shape of an "L" around the north and east sides of the Baseball Cage and contains offices, lecture rooms, storerooms, and a field artillery laboratory with fully equipped batteries of American, French, and English field pieces. At the opposite end of the room a stage, designed to accommodate representations of landscapes, affords opportunity for fire control study simulating range conditions.

The **YALE ARTILLERY ARMORY**, dedicated in June, 1917, is situated near the Yale Bowl and was the gift of Anson C. Goodyear (B.A. 1899), and other donors. There are three divisions, the Drill Hall, the Gun Sheds in the main building, and the Stables. The building is of fireproof material and is admirably suited to the needs of the artillery branch of the service. Artillery Hall and the Yale Artillery Armory together afford facilities for complete instruction in the theory of field artillery.

The **YALE BOWL**, also erected by graduates, was first used for the Yale-Harvard football game of 1914. Built of concrete, it has a seating capacity of nearly seventy thousand and covers about twenty-five acres of the new Yale Field.

The **ADEE BOAT HOUSE**, a brick structure located on the harbor, was completed in 1911 as a memorial to George A. Ade (B.A. 1867); it furnishes rowing facilities for the University, Freshman and other crews.

The **YALE UNIVERSITY PRESS**, established in the fall of 1908 with the purpose of adding to the scholarly reputation and service of the University, has offices on the corner of Elm and Temple streets, this new home of the Press being known as the Earl Trumbull Williams Memorial. The **YALE ELIZABETHAN CLUB** with its collection of rare Elizabethan items is a unique Yale institution. It is located on College street just south of Wall street. Other organizations indirectly connected with the University are the **YALE PUBLISHING ASSOCIATION**, which publishes *The Yale Review* and *The Yale Alumni Weekly*, the **BRICK ROW PRINT AND BOOK SHOP**, and the **YALE CO-OPERATIVE ASSOCIATION**, all having headquarters on High street. It is an evidence of the expanding activities along publishing and literary lines that a corporation has been formed by graduates interested in both the Brick Row Print and Book Shop and the Yale University Press, and that a New York exhibition and sales office is now maintained at 19 East 47th street opposite the Ritz Carlton.

The **UNIVERSITY HEATING AND POWER PLANT** is situated on Grove, Ashmun, and York streets, and takes the place of the old plant on Peabody Square which was razed to make room for the

Memorial Quadrangle. It was completed in 1918 and furnishes electric light and steam heat to all the buildings of the University. The University Service Bureaus are on Ashmun Street adjacent to the Heating Plant.

SECTION V

**TERMS OF ADMISSION TO THE FRESHMAN
CLASS AND TO ADVANCED STANDING
IN YALE COLLEGE AND THE SHEF-
FIELD SCIENTIFIC SCHOOL**

TERMS OF ADMISSION

APPPLICATIONS for admission to the Freshman Class or to advanced standing in Yale College or the Sheffield Scientific School should be made to the Chairman of the Board of Admissions, Yale University, New Haven, Connecticut.†

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

There are two methods of examination for admission to the Freshman Class as explained in detail below. These are designated Old Plan and New Plan. These terms, it should be noted, are applied to different methods of examination for admission, whereas the terms comprehensive and ordinary describe two different styles of examination paper. The comprehensive papers are more general in character and are so constructed as to include two or more divisions of the same subject (e. g., Second Year Latin, Cicero, Vergil).

OLD PLAN

Candidates are admitted to the Freshman Class upon passing examinations in the subjects listed below.

SUBJECTS OF EXAMINATION: PRESCRIBED

Required of all candidates for admission.

English:

English A (2)‡

English B (1)

Mathematics:

Elementary Algebra (2)

Plane Geometry (1)

Required for the degree of B.A.

Latin: three (3) or four (4) units§

Grammar Vergil and Sight Translation of Poetry (1)

Elementary Prose Composition

Second Year Latin (2) Modern Language:

Cicero and Sight Translation French A or German A or

of Prose (1) Spanish A (2)

† For admission from other colleges, cf. p. 117.

‡ The numbers in parentheses after the subjects indicate the amount of time, or the "units," required for preparation,—a unit representing work involving four or five exercises a week for the whole school year.

§ If but two (2) or three (3) units of Latin are offered at admission the full requirement must be made up in college by candidates desiring to qualify for the degree of B.A. Though no unit values are assigned to Grammar and Elementary Prose Composition they are requisite to the acquisition of four units of credit in Latin.

Candidates for the B.A. degree who are natives of Asia may offer as a substitute

Required for the degrees of Ph.B. and B.S.

Foreign Language: three (3) units of one or four (4) units of two of the following languages:	History: one of the following:
French A (2)	Ancient (1)
French B (1)	Medieval and Modern (1)
German A (2)	Modern|| (1)
German B (1)	English (1)
Second Year Latin (2)	American and Civics (1)
Cicero (1)	Science: one of the following:
Vergil (1)	Biology (1)
Spanish A (2)	Botany (1)
Spanish B (1)	Chemistry (1)
	Physics (1)

SUBJECTS OF EXAMINATION: ELECTIVE

All candidates must offer a sufficient number of units (3 or 4), in subjects not already prescribed or elected, to complete the fifteen (15) units required for admission:

Foreign Language:	History: not more than two units for B.A. candidates; not more than one unit for Ph.B. and B.S. candidates:
French A (2)	Ancient (1)
French B (1)	Medieval and Modern (1)
German A (2)	Modern (1)
German B (1)	English (1)
German BC (1)	American and Civics (1)
Greek Grammar and Elementary Prose Composition (1)	Mathematics:
Xenophon and Sight Translation (1)	Advanced Algebra (1/2)
Homer and Sight Translation (1)	Solid Geometry (1/2)
Second Year Latin (2)	Plane Trigonometry (1/2)
Cicero and Sight Translation of Prose (1)	Science:
Vergil and Sight Translation of Poetry (1)	Biology (1)
Spanish A (2)	Botany (1)
Spanish B (1)	Chemistry (1)
	Physics (1)
	Geography (1)
	Mechanical Drawing (1)

Definition of requirements. Pamphlets containing the definitions of the subjects of examination may be obtained from the Chairman of the Board of Admissions.

for the prescribed requirements in Latin, an equivalent in Arabic, Chinese, Pali or Sanskrit. An oral examination in English, however, will be required. In other respects such candidates will be treated like the regular applicants for admission.

|| This subject may not be offered by those candidates who offer Medieval and Modern History or English History.

Special cases where good preparation differs from fixed requirements.
The Board of Admissions is prepared to consider the application made by a school principal on behalf of a final candidate who, during his preparatory course, has shown ability and maintained a high grade of scholarship, but whose subjects of study have differed somewhat from those prescribed for admission.

NEW PLAN

The subjects of study required are the same under the New Plan as under the Old Plan.

To be admitted under the New Plan a candidate must submit a school record† and take examinations as explained in detail below.

SCHOOL RECORD

The school record must be accompanied by the recommendation of the candidate's principal or headmaster and must show

- (a) that the candidate has completed with certificate grades one of the regular four-year courses of an accredited high school;
- (b) the subjects studied by him and the ground covered;
- (c) the amount of time devoted to each subject;
- (d) the quality of his work in each subject as indicated by his scholarship grade;
- (e) the passing, certificating and honor grades in use in the school.

EXAMINATIONS

If the school record is approved the candidate may gain admission to the Freshman Class by passing a comprehensive examination in English and three examinations in those parts or divisions of the subjects in the following list which most nearly correspond with the work of the regular school curriculum for the senior year.

Greek
History
Latin

Mathematics
Modern Language
Science‡

These four examinations must be taken at one session, either in June or in September.

In English a comprehensive examination will be required. In each of the other three subjects the candidate may take either the comprehensive or the ordinary examination§ according as the one or the other most nearly coincides with the work of his senior year in school. No examination is set in foreign language on work covering

† Blank forms suitable for this purpose may be obtained from the Chairman of the Board of Admissions.

‡ Chemistry, Physics, Biology, Botany.

§ For a list of the examinations set cf. Time Schedule of Examinations, pp. 113 and 116.

less than two years. If the candidate has completed three or more years in the subject he may be examined on the work of the last year, e.g., Cicero or Vergil or French B, etc.

Each subject of examination must cover at least one unit* of work. In Mathematics two of the following may be combined to form one unit:—Advanced Algebra, Solid Geometry, Trigonometry.

Candidates qualifying under the New Plan will be admitted without conditions. A candidate not admitted in June under the New Plan will be credited under the Old Plan with those subjects which he passed, but may not repeat the New Plan examinations in September.

Requests for modification of the foregoing list of subjects to meet exceptional cases will be considered if submitted to the Board of Admissions by the candidate's principal or headmaster.

GENERAL REGULATIONS

OLD PLAN

Question Papers and Certificates of Examination—The June examinations are administered by the College Entrance Examination Board. A statement of the results of his examinations is sent to each candidate by the Board and a duplicate report is forwarded to the college or university which he intends to enter, provided he indicates the institution of his choice upon his application form. Upon the basis of these reports certificates of credits are issued by the Chairman of the Board of Admissions.

A candidate for admission under the Old Plan, who desires to take comprehensive examinations in certain subjects should submit his school record† to the Board of Admissions.

Division of Examination—Candidates taking the examinations under the Old Plan may take the examinations required for admission at one session or at two or more different sessions. Examinations taken in June or September of the year in which the candidate plans to enter college are called final, all others preliminary. Candidates, certificates, and credits are likewise designated as final and preliminary.

June Applications and Fees—Applications for admission to examinations in June, should be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York City.‡

† Blank forms suitable for this purpose may be obtained from the Chairman of the Board of Admissions.

‡ Blank forms suitable for this purpose may be obtained from the Secretary of the College Entrance Examination Board or from the Chairman of the Board of Admissions.

The fee for admission to the June, 1921, examinations is \$6 for candidates examined in the United States and Canada, and \$20 for candidates examined elsewhere. The fee for the June examinations should accompany the application and is payable to the College Entrance Examination Board.

The applications and fees of candidates who wish to be examined outside of the United States and Canada must reach the Secretary of the Board at least six weeks in advance of the first day of the examinations, that is, on or before Monday, May 9, 1921.

The applications and fees of candidates who wish to be examined in the United States at points west of the Mississippi River, or in Canada, must be received at least four weeks in advance of the examinations, that is, on or before Monday, May 23, 1921.

The applications and fees of candidates who wish to be examined in the United States at points east of the Mississippi River, or on the Mississippi River, must be received at least three weeks in advance of the first day of the examinations, that is, on or before Monday, May 30, 1921.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidates concerned, but only upon payment of \$6 in addition to the usual fee.

September Applications and Fees—The fee for admission to the September, 1921, examinations is \$6. Checks or drafts should be made payable to the Treasurer of Yale University. No formal application is necessary for admission to the September examinations.

Recommendations and Testimonials—Each preliminary candidate must submit at or before the June examination session a statement from his principal instructor specifying the subjects in which he is authorized to offer himself for examination. The final candidate, whether presenting himself in June or September, must submit, in addition to this recommendation in scholarship, a testimonial of character. All recommendations, whether preliminary or final, must cover the whole of the school year preceding the examination. Recommendations and testimonials should be sent to the Chairman of the Board of Admissions. No report will be issued until satisfactory recommendations have been received.†

Laboratory and Other Supplementary Certificates—For each of the examinations in science the candidate must submit a teacher's certificate of laboratory work. No laboratory notebooks will be examined. These certificates, both for the June and the September examinations, should be sent to the Chairman of the Board of Admissions before the date of examination.†

† Blank forms suitable for this purpose may be obtained from the Chairman of the Board of Admissions, or, for the June examinations only, from the Secretary of the College Entrance Examination Board.

Preliminary Examination—The preliminary candidate should present himself for examination at the June session. The September examinations are intended primarily for final candidates. In September, a preliminary candidate is admitted to examination only in those subjects in which he was recommended in June and in which he presented himself for examination at that time. Preliminary credits received in June cannot be used in obtaining a final certificate until the following year.

School Record—The candidate, or his principal instructor, should submit at the time of his final examination an official record indicating his scholarship grades in each subject pursued during his course of preparatory study. This record will be given careful consideration in connection with the examinations for admission.†

NEW PLAN

Candidates under the New Plan must take the four examinations required for admission at one session.

Applications—Application for admission to the New Plan of examination, whether taken in June or in September, must be made directly to the Chairman of the Board of Admissions. Candidates will not be admitted to the June examinations, conducted by the College Entrance Examination Board, or to the September examinations, conducted by the University, except where permission has been granted by the Board of Admissions upon the basis of the school record submitted by the candidate. For admission to the June examinations, application should be made and the school record submitted before May 15; for admission to the September examinations, before September 1.†

Fee—The fee for admission to the June, 1921, examinations is the same in amount and is subject to the same regulations as that for the Old Plan candidates. New Plan candidates who wish to take examinations in addition to those four designated for admission by the New Plan must indicate the extra examinations on a separate Old Plan application and must pay an additional examination fee for the extra examinations. In September, 1921, the examinations are held in New Haven only, and the fee of \$6 may be paid at the time and place of registration.

DATES OF EXAMINATIONS

Two regular examination sessions are held each year, the first at the close of the college year in June, and the second at the beginning of the college year in September.

† Blank forms suitable for this purpose may be obtained from the Chairman of the Board of Admissions.

TIME SCHEDULE OF EXAMINATIONS

JUNE 20-25, 1921

Before presenting himself for examination, a candidate should have a clear understanding as to the particular examinations he is to take.

He may at any examination session take a single two-hour examination or two separate two-hour examinations. In either case he must present himself at the opening of the session.

Monday, June 20

8.45-9.30 A. M. Registration

9.30 A. M. Mathematics A, Elementary Algebra complete
Mathematics, Comprehensive 3, Elementary Mathematics†
Mathematics, Comprehensive 4, Elementary and Advanced Mathematics‡

1.45-2 P. M. Registration

2 P. M. French §||

Tuesday, June 21

8.45-9 A. M. Registration

9 A. M. English A, Grammar, Composition, and Reading
English B, Grammar, Composition, and Study
English AB, Grammar, Composition, Reading, and Study
Comprehensive English

1.45-2 P. M. Registration

2 P. M. Latin 3, Second Year Latin
Latin 5, Virgil and Sight Translation of Poetry
Comprehensive Chemistry

Wednesday, June 22

8.45-9 A. M. Registration

9 A. M. Latin 1, Grammar
Latin 2, Elementary Prose Composition
Latin 4, Cicero and Sight Translation of Prose
Latin 124, Latin 1, 2, and 4 combined
Comprehensive Latin||

1.45-2 P. M. Registration

2 P. M. Mathematics B, Advanced Algebra
Mathematics F, Plane Trigonometry
Comprehensive Physics

† Elementary Algebra complete and Plane Geometry.

‡ Elementary and Advanced Algebra, Plane and Solid Geometry, and Plane Trigonometry.

§ The comprehensive examination in French will provide for what have hitherto been known as French A and French B.

|| The examinations in foreign language (French, German, Latin, Spanish) make provision for comprehensive examinations on two, three, and four years of work as well as for examinations on the third and fourth years of work separately.

Thursday, June 23

- 8.45-9 A. M. Registration
 9 A. M. History A, Ancient
 History B, Medieval and Modern
 History C, Modern
 History D, English
 History G, American and Civil Government
 Comprehensive History
 1.45-2 P. M. Registration
 2 P. M. Mathematics C, Plane Geometry
 Mathematics D, Solid Geometry
 Mathematics CD, Plane and Solid Geometry
 Mathematics H, Advanced Mathematics†

Friday, June 24

- 8.45-9 A. M. Registration
 9 A. M. Biology
 Botany
 Chemistry
 Geography
 Physics
 1.45-2 P. M. Registration
 2 P. M. German ‡ ||
 Spanish § ||

Saturday, June 25

- 8.45-9 A. M. Registration
 9 A. M. Mechanical Drawing
 Greek A1, Grammar
 Greek A2, Elementary Composition
 Greek BG, Xenophon and Sight Translation
 Comprehensive Greek||
 1.45-2 P. M. Registration
 2 P. M. Greek CH, Homer and Sight Translation

PLACES OF EXAMINATION

A list of the places at which the examinations are to be held in June, 1921, will be ready for distribution by the College Entrance Examination Board about March 1. Requests that arrangements

† Advanced Algebra, Solid Geometry, and Plane Trigonometry.

‡ The comprehensive examination in German will make provision for what have hitherto been known as German A, German B, and German BC.

§ The comprehensive examination in Spanish will make provision for what have hitherto been known as Spanish A and Spanish B.

|| The examinations in foreign language (French, German, Latin, Spanish) make provision for comprehensive examinations on two, three, and four years of work as well as for examinations on the third and fourth years of work separately. Similar provision is made in Greek for the three years of work and for the third year.

be made for holding a session at some particular point should be addressed to the Secretary of the College Entrance Examination Board not later than February 1. A partial list of some of the more important places at which examinations will be held in June, 1921, follows:

**PARTIAL LIST OF EXAMINATION CENTERS FOR
JUNE, 1921**

ALABAMA, Birmingham, Montgomery.

ARKANSAS, Little Rock.

CALIFORNIA, Berkeley, Los Angeles.

COLORADO, Denver.

CONNECTICUT, Bridgeport, Danbury, Derby, Greenwich, Hartford, Meriden, Middletown, New Haven, Norwalk, Norwich, Waterbury, Willimantic, Winsted.

DELAWARE, Wilmington.

DISTRICT OF COLUMBIA, Washington.

FLORIDA, Jacksonville.

GEORGIA, Atlanta, Savannah.

IDAHO, Boise.

ILLINOIS, Chicago, Evanston, Peoria.

INDIANA, Indianapolis, Terre Haute.

IOWA, Davenport, Des Moines, Dubuque.

KENTUCKY, Louisville.

LOUISIANA, New Orleans.

MAINE, Bangor, Portland.

MARYLAND, Baltimore.

MASSACHUSETTS, Amherst, Beverly, Boston, Cambridge, Fall River, Fitchburg, Gloucester, Great Barrington, Haverhill, Lowell, Lynn, New Bedford, Newburyport, Northampton, South Hadley, Springfield, Taunton, Tufts College, Wellesley, Williamstown, Worcester.

MICHIGAN, Detroit, Grand Rapids.

MINNESOTA, Minneapolis.

MISSOURI, Kansas City, St. Louis.

MONTANA, Helena.

NEBRASKA, Omaha.

NEW HAMPSHIRE, Concord, Hanover, Manchester, Portsmouth.

NEW JERSEY, Asbury Park, East Orange, Montclair, Newark, New Brunswick, Passaic, Plainfield, Princeton, Summit, Trenton.

NEW YORK, Albany, Binghamton, Brooklyn, Buffalo, Elmira, Glens Falls, Gloversville, Ithaca, Kingston, New York, Ogdensburg, Peekskill, Poughkeepsie, Rochester, Syracuse, Utica.

NORTH CAROLINA, Asheville.

OHIO, Cincinnati, Cleveland, Columbus, Dayton, Toledo, Youngstown.

OREGON, Portland.

PENNSYLVANIA, Erie, Harrisburg, Lancaster, Philadelphia, Pittsburgh, Reading, Scranton, Wilkes-Barre, Williamsport.

RHODE ISLAND, Newport, Providence, Westerly.

SOUTH CAROLINA, Charleston.
 TENNESSEE, Memphis, Nashville.
 TEXAS, Austin, Dallas, Houston.
 UTAH, Salt Lake City.
 VERMONT, Bellows Falls, Burlington, Rutland.
 VIRGINIA, Richmond, Roanoke.
 WASHINGTON, Seattle.
 WISCONSIN, Madison, Milwaukee.
 CANADA, Montreal, Toronto.
 ENGLAND, London.
 FRANCE, Paris.
 HAWAII, Honolulu.

SEPTEMBER EXAMINATIONS

The September session of examinations is conducted by the University examiners and will be held in New Haven only, September 19-23, 1921.

TIME SCHEDULE OF EXAMINATIONS, SEPTEMBER, 1921

Registration and payment of fee Monday and Tuesday, 8.30 to 9.00 A. M.

Monday, Sept. 19 9 A. M.—12 M. English	Tuesday, Sept. 20 9 A. M.—12 M. Latin	Wednesday, Sept. 21 9 A. M.—12 M. Elementary† Mathematics
2 P. M.—5 P. M. Physics Chemistry	2 P. M.—5 P. M. French	2 P. M.—5 P. M. German Spanish
Thursday, Sept. 22 9 A. M.—12 M. History	Friday, Sept. 23 9 A. M.—12 M. Biology Botany Geography Mechanical Drawing	
2 P. M.—5 P. M. Greek Advanced‡ Mathematics		

† Elementary Algebra complete and Plane Geometry.

‡ Advanced Algebra, Solid Geometry, and Plane Trigonometry.

READMISSION OF FORMER STUDENTS

Freshmen who are dropped or withdraw for scholarship deficiencies are not readmitted until all conditions in subjects required for admission have been removed.

ADMISSION FROM OTHER COLLEGES TO THE FRESHMAN CLASS AND TO ADVANCED STANDING

Each applicant for admission upon the basis of credits received in another college or university should submit to the Chairman of the Board of Admissions an official statement of the credits upon which he was admitted to college together with one covering the credits obtained in course. These should be accompanied by a letter of honorable dismissal.

Credits for less than a full year of college work are not accepted.

Students are, as a rule, admitted only at the beginning of the college year.

Admission to the Freshman Class—Applicants may gain admission to the Freshman Class without examination by submitting evidence that they have completed, with a good scholarship record, a full year of work in a college of good standing, provided their admission and college credits cover the work required for admission to the Freshman Class.

Admission to Advanced Standing—Admission to the same class rating as that held in the institution from which transfer is desired is granted to those only:—

(a) who have satisfied by examination requirements for admission substantially equivalent to those in force at Yale and have completed with good scholarship grades the work that has been completed by the class to which they desire to transfer;

(b) whose admission credits (e.g. by certificate) show that they have fulfilled requirements for admission substantially equivalent to those in force at Yale and whose college credits show that they have completed with honor grades work substantially equivalent in character and amount to that already covered by the class which they desire to enter.

No student is admitted to the Senior Class later than the beginning of the college year.

A student entering the Senior Class by transfer from another institution will not be admitted to a combined course leading to an undergraduate and a higher degree (e.g. B.A. and M.D., B.S. and M.D., B.A. and LL.B., Ph.B. and LL.B., etc.).

DEGREES OPEN TO WOMEN

Women are admitted as candidates for the degrees of Master of Arts (M.A.), Master of Fine Arts in Architecture (M.F.A.), Master of Science (M.S.), Doctor of Philosophy (Ph.D.), Doctor of Medicine (M.D.), Certificate in Public Health (C.P.H.), Doctor of Pub-

lic Health (Dr.P.H.), Bachelor of Laws (LL.B.), Doctor of Law (Jur.D.), Doctor of Civil Law (D.C.L.), Bachelor of Fine Arts (B.F.A.), Art Course Certificate, Certificate of Proficiency in Theory of Music, and Bachelor of Music (Mus.B.). Women are also admitted to the Divinity School as special students not candidates for a degree.

SECTION VI



SCHOOLS OF INSTRUCTION

THE FRESHMAN YEAR

FACULTY

ADMINISTRATIVE OFFICERS

ARTHUR TWINING HADLEY, PH.D., LL.D., President.
JAMES ROWLAND ANGELL, LITT.D., President-elect.
ROSWELL PARKER ANGIER, PH.D., Dean.
JOSEPH ROY ELLIS, M.A., Registrar.

PROFESSORS

REV. WILLIAM JAMES HAIL, M.A., Visiting Professor of History.
WILLIAM RAYMOND LONGLEY, PH.D., Professor of Mathematics.
FREDERICK BLISS LUQUIENS, PH.D., Professor of Spanish.
SYDNEY KNOX MITCHELL, PH.D., Professor of History.
PERCY TALBOT WALDEN, PH.D., Professor of Chemistry.

ASSOCIATE PROFESSOR

CLARENCE HENRY HARING, PH.D., Associate Professor of European History.

ASSISTANT PROFESSORS

JOHN MAUDGRIDGE SNOWDEN ALLISON, PH.D., Assistant Professor of History.
ROBERT DUDLEY FRENCH, PH.D., Assistant Professor of English.
ROBERT HUDSON GEORGE, PH.D., Assistant Professor of History.
KENT ROBERTS GREENFIELD, PH.D., Assistant Professor of History.
SAMUEL BURDETT HEMINGWAY, PH.D., Assistant Professor of English.
HARRY MORTIMER HUBBELL, PH.D., Assistant Professor of Greek and Latin.
BOYNTON WELLS MCFARLAND, PH.D., Assistant Professor of Chemistry.
EGBERT J. MILES, PH.D., Assistant Professor of Mathematics.
RICHARD AGER NEWHALL, PH.D., Assistant Professor of History.
ROBERT ALEXANDER PATTERSON, PH.D., Assistant Professor of Physics.
HENRY TENEYCK PERRY, PH.D., Assistant Professor of English.
CARL FREDERICK SCHREIBER, PH.D., Assistant Professor of German.
JOSEPH SERONDE, PH.D., Assistant Professor of French.
JOSHUA IRVING TRACEY, PH.D., Assistant Professor of Mathematics.

JAMES KELSEY WHITTEMORE, M.A., Assistant Professor of Mathematics.

STANLEY THOMAS WILLIAMS, PH.D., Assistant Professor of English.

WALLACE ALVIN WILSON, PH.D., Assistant Professor of Mathematics.

INSTRUCTORS

RAMIRO ARRATIA, B.A., Instructor in Spanish.

FRANCIS HYDE BANGS, M.A., Instructor in English.

ALFRED RAYMOND BELLINGER, B.A., Instructor in Latin.

STUART ROBERT BRINKLEY, PH.D., Instructor in Chemistry.

LLEWELLYN MORGAN BUELL, PH.D., Instructor in English.

WILLIAM LEONARD CRUM, PH.D., Instructor in Mathematics.

ERNEST GOURDON DE VILAINE, L.E.L., Instructor in French.

MILTON GARVER, PH.D., Instructor in French.

JOHN ARCHER GEE, B.A., Instructor in English.

SIDNEY EDWARD HADLEY, PH.D., Instructor in Chemistry.

ERNEST JAMES HALL, B.A., Instructor in Spanish.

ROSWELL GRAY HAM, LITT.B., Instructor in English.

FLOYD CLAYTON HARWOOD, PH.D., Instructor in Latin.

DEWITT TALMADGE KEACH, M.S., Instructor in Chemistry.

ROBERT JAMES MENNER, PH.D., Instructor in English.

JAMES STEPHEN MIKESH, M.A., Instructor in Mathematics.

EDWARD SIMPSON NOYES, M.A., Instructor in English.

LEROY ELDEN PEABODY, M.A., Instructor in Mathematics.

JOHN AUSTIN SPAULDING, PH.D., Instructor in German.

GEORGE VANSANTVOORD, LITT.B., Instructor in English and Chief Student Counselor.

DEFOREST VANSLYCK, B.A., Instructor in European History.

CORTLANDT VANWINKLE, PH.D., Instructor in English.

REGINALD DE KOVEN WARNER, M.A., Instructor in French.

THEODORE OTTO WEDEL, PH.D., Instructor in English.

PAUL LAMBERT WHITE, M.A., Instructor in History.

PHILIP BARROWS WHITEHEAD, PH.D., Instructor in Latin.

In addition to the foregoing, members of the Faculties of Yale College and the Sheffield Scientific School give courses in the Freshman Year. These are listed in the Catalogue of the Freshman Year, and in the respective Schools in this Catalogue.

GENERAL STATEMENT

IN 1919 the Corporation voted to accept the recommendation of the Committee on Educational Policy that beginning in the fall of 1920 there should be a common Freshman Year. Through it, as voted by the Corporation, "All undergraduates admitted as Freshmen must pass in order to secure admission to the Sophomore class of Yale College or of the Sheffield Scientific School." The instruction is designed, therefore, to prepare Freshmen to continue in the Sophomore work of the courses of study leading to the B.A. or Ph.B. degree of the College, or the B.S. degree of the Scientific School.

Official registration of candidacy for any of the three degrees will not be required until the spring of Freshman year. This will enable the student who has at admission reached no fixed decision, to decide with fuller insight as to the degree for which he desires to become a candidate. In some cases such changes of intention will involve readjustments of courses, and entering students should therefore secure full information concerning entrance requirements, the curriculum of Freshman Year, and the requirements for the various degrees.

The general aims of The Freshman Year are to secure the best teaching available,—nowhere more essential than in the first year of college work; to help students properly to find themselves; and to secure an *esprit de corps* that will prompt men to think of themselves first of all as Men of Yale.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

GOVERNMENT

Freshmen are wholly under the jurisdiction of the Dean of Freshmen and the Faculty of The Freshman Year.

THE HONOR SYSTEM

The Honor System will be in force in all examinations and written tests of Freshmen. Upon entering, each student will be required to sign the following pledge:

"I hereby pledge my word of honor to support the Honor System while a member of the Freshman Class."

This pledge means that the student will give no aid during any examinations, tests, or recitations, and that he will neither ask for nor accept such aid. The administration of the system and the punishment for any violation of it will be in the hands of a student committee.

CHAPEL ATTENDANCE

Attendance at the daily and Sunday Chapel services is required of all Freshmen except, in the case of the Sunday service, those who are required to attend church regularly elsewhere and, in the case of the daily service, those who live more than a mile from the campus. Such students will obtain permission of the Registrar of Freshmen in order to avail themselves of the alternative requirements.

GYMNASTICS

From November 1 until April 1, work in gymnastics is required of the members of the Freshman Class, except those who are in regular training with the recognized athletic teams. All Freshmen not suffering from physical disability are expected to show their ability to swim or to avail themselves of the opportunities for instruction provided at the Carnegie Swimming-Pool.

DORMITORIES

All Freshmen are required to live in dormitories of the University, with the following exceptions: (1) those who live at home with parents or guardian; (2) those who, in order to meet expenses, find it necessary to work for their room. Such exceptions are granted only on application to the Registrar of Freshmen.

The names of all students applying for rooms will be drawn by lot, the drawing of any name including that of any other student selected as roommate. Subject to this restriction all consideration possible will be given to any expressed preferences, such as price, location, etc. In case the number of applications exceeds capacity the right of assigning additional occupants to some of the larger suites is reserved.

In 1921-22 Freshmen will room in the buildings of the Berkeley Oval (Berkeley, Fayerweather, Houghton, and White Halls), and in Durfee and Wright Halls.

REQUIREMENTS FOR ADMISSION

For terms of admission by examination, by certification from other institutions, or to advanced standing see Section V of this Catalogue.

ANTICIPATION OF FRESHMAN COURSES

Courses regularly offered to the Freshman Class may be anticipated by members of the incoming class under the following regulations: (1) application should be made in writing to the Registrar of Freshmen before September 1 accompanied by a recommendation from the candidate's principal teacher; (2) a fee of \$10 for each hour (made payable to the Bursar) should accompany the application;

(3) the applicant should present himself for examination at the time of the entrance examinations in September. If the examination is satisfactorily passed, the student will take in place of the anticipated work an equal number of hours from the courses open to Freshmen or to Sophomores, if he is otherwise qualified to do so; and the anticipated course or courses may, if a grade of 70 or higher is obtained therein, count as part of the required work of Freshman year. No candidate may use for anticipating a course a credit which has been applied towards admission.

CONDITIONS OF ENROLLMENT AS SOPHOMORES IN YALE COLLEGE OR IN THE SHEFFIELD SCIENTIFIC SCHOOL

To be admitted to full and regular standing in the Sophomore classes a Freshman must pass all of his regular courses. Any student who has passed less than three of his regular Freshman courses, or who has less than four quality credits, will be under penalty of disqualification for the first term of Sophomore year.

One "quality credit" is given for a grade of 75 or above for one term's work in any regular course.

"Disqualification" prohibits a student from representing his class or any other department of the University in any athletic, musical, or dramatic organization, as officer, member, or substitute, and from engaging in any other organized extra-curriculum activity.

No Freshman will be recommended for admission to the Sophomore classes until he has removed all entrance conditions.

SELF-HELP AND SCHOLARSHIPS

A complete list of University fellowships, scholarships, and prizes is given in Section VIII of this Catalogue. The Bureau of Appointments of the University, described in Section III, assists students who are wholly or partially self-supporting to secure remunerative employment.

THE COURSE OF STUDY

Prescribed for all Freshmen:

English
European History

In addition to the foregoing prescribed courses each Freshman will elect three of the following courses:

Mathematics
Natural Science (Chemistry or Physics)
Modern Language (French, German, or Spanish)
Ancient Language (Latin or Greek)
Introduction to Engineering and Mechanical Drawing

The only restrictions on such elections are that the Introduction to Engineering and Mechanical Drawing may not be taken separately and may not be chosen unless Mathematics and Physics or Chemistry are also elected. With these restrictions, the following elective groups are possible:

GROUP I

1. Chemistry or Physics or Mathematics
2. Latin or Greek
3. French or German or Spanish†

GROUP II

1. Chemistry or Physics
2. French or German or Spanish or Latin or Greek
3. Mathematics

GROUP III

1. Chemistry or Physics
2. Mathematics
3. Introduction to Engineering (first term)
and Mechanical Drawing (second term)

In order that a student may have proper guidance as to which of the foregoing groups to select, it may be said that, in general, Group I most directly prepares him for the work of Sophomore year leading to the B.A. degree in the College; Group II may be used in preparation for the Sophomore work leading to the Ph.B. or the B.A. degree in the College or to the Natural Science B.S. degree in the Scientific School; Group III prepares for the work of Sophomore year leading to the Engineering B.S. degree (including the new Course in Administrative Engineering) in the Scientific School.‡

In general, let every student who has fully made up his mind as to the degree for which he wishes to be a candidate elect that group of Freshman studies which most naturally will prepare him for the work of Sophomore year for that degree; let every student who has not yet formed definite intentions elect the group that is naturally preparatory to the Sophomore work for the degree for which he will most probably wish to be a candidate. His eventual decision may then be left until he has entered upon his Freshman work, when he should, if still in doubt, consult with the Dean of Freshmen. Each such case will be considered on its merits. No general rule governing all cases can be laid down in advance.

† Freshmen intending to pay special attention to classical studies may, with the approval of the Dean of Freshmen, substitute a second ancient language for this requirement.

‡ All students who intend to continue the study of engineering are required to take a four weeks' course in plane surveying immediately after the close of the June examinations at the end of Freshman year.

SUBJECTS OF INSTRUCTION

I. ENGLISH

English 1.

A careful study of a few important books, having as its aim the development of intelligent appreciation of literature; combined with regular and systematic practice in the writing of English designed to train the student in clear and accurate expression. Students notably deficient in the use of English will be required to do extra work in composition. Three recitations a week.

II. HISTORY

History 1.

A survey of the history of Europe from the fall of the Western Roman Empire to the present time. Three recitations a week.

III. ANCIENT LANGUAGE

GREEK

Greek 1. Elementary Greek.

For beginners; grammar and exercises and Xenophon's *Anabasis*; adequate preparation for Greek 2. For men who did not offer Greek for admission. Three recitations a week.

Greek 2. Plato and Homer.

Reading of the *Apology*, the *Crito*, and parts of the *Phaedo*; the *Iliad*, books i-iii, and selections. For men who have taken Greek 1 or who have offered Xenophon but not Homer for admission. Three recitations a week.

Greek 3. Homer, Lyric Poets, Theocritus, and Aristophanes.

For men who have taken Homer. The same as Greek A3 of Yale College. Three recitations a week.

LATIN

Latin 1.

Reading of selections from Cicero, Sallust, Vergil, and Ovid. This course prepares for Latin A1 of Yale College (Latin 2 of Freshman Year). It is open to men who have offered three years of Latin (Cp. 3) for admission, or its equivalent, and have no conditions in Latin. Three recitations a week.

Latin 2.

Plautus, Catullus, Cicero, and the Odes of Horace. For men who have offered the maximum amount of Latin for admission. The same as Latin A1 of Yale College. Three recitations a week.

IV. MODERN LANGUAGE

FRENCH

The courses in French are devoted to the study of language, rather than literature. They aim to give the student facility in the use of spoken French,

as well as a reading knowledge. Translation is reduced to a minimum and classroom work, in so far as practicable, is conducted in French.

French 1.

Elementary. Acquisition of a correct pronunciation and the essentials of grammar; reading of simple French; memorizing of prose and verse. Three recitations a week.

French 2.

Composition oral and written. Graded texts, comedies, and short stories used as a basis for conversation. Formal written composition and incidental review of grammar; memorizing and dictation. For students who have offered French A for admission. Three recitations a week.

French 3.

Work ordered as for French 2 (above). Reading of more difficult matter, literary and newspaper French as basis for conversation. Advanced written composition; memorizing; dictation; paraphrasing. Students are required to use, besides a bilingual dictionary, an all-French dictionary such as *Le Petit Larousse*. For students who have offered French B for admission. Three recitations a week.

GERMAN

The courses in German comprise a carefully graded introduction to the reading, writing, and speaking of the language. Except in the course called *German 3*, stress will be laid almost entirely upon a drill in grammar and composition, together with dictation from the German and the use of German, as far as practicable, in the classroom.

German 1.

Grammar; translation of simple narrative prose from German into English; elementary exercises in translating into German; practice in pronunciation and speaking. Three recitations a week.

German 2.

Reading of short stories and of selections from more difficult prose and poetry; practice in writing German; study of word-formation, with further stress upon the oral study of the language. For students who have offered German A for admission. Three recitations a week.

German 3.

Rapid reading of selections from history, scientific writings, and literary criticism, followed by the study of one or more standard dramas. Practice throughout the year in German composition. For students who have offered German B for admission. Three recitations a week.

SPANISH

The aim of the instruction in Spanish is twofold: first, to give the students the ability to speak, read, and write the language for practical purposes; second, to give them some definite ideas of Spanish-American geography, history, and trade.

Spanish 1.

Grammar, reading, and practice in simple spoken Spanish. Three recitations a week.

Spanish 2.

This course is a continuation of the foregoing. Still greater stress is laid upon the oral study of the language, although grammar and reading are continued. The students read Spanish-American texts and newspapers. They are also given practice in the writing of commercial letters. For students who have offered Spanish A for admission. Three recitations a week.

Spanish 3.

This course consists of more difficult reading in Spanish-American texts and newspapers, of more advanced commercial letter-writing, and of as much practice as possible in conversation. For students who have offered Spanish B for admission. Three recitations a week.

V. MATHEMATICS

All Freshmen who elect mathematics will pursue the subject throughout the year, covering the same ground in analytic geometry during the first term, and calculus during the second term, so that all members of the class will reach the same point in the study of mathematics by the end of the year. In addition to analytic geometry those students who have not passed trigonometry for entrance will study trigonometry during the first term, and those who have not passed solid geometry for entrance will study this subject in addition to the calculus during the second term.

Mathematics 1a.

Essentials of Trigonometry and Analytic Geometry. For students who have not passed the entrance requirement in trigonometry. Five recitations a week, first term.

Mathematics 1b.

Essentials of Solid Geometry and of Differential and Integral Calculus. For students who have not passed the entrance requirement in solid geometry. Five recitations a week, second term.

Mathematics 2a.

Essentials of Analytic Geometry. For students who have passed the entrance requirement in trigonometry. Three recitations a week, first term.

Mathematics 2b.

Essentials of Differential and Integral Calculus. For students who have passed the entrance requirement in solid geometry. Three recitations a week, second term.

In Mathematics 1 (a and b) the work will be arranged so that the total time required will be, in general, twelve hours, corresponding to the total time devoted to the "longer" courses in chemistry or physics (i.e., Chemistry 1, or Physics 1).

It is assumed that each recitation in Mathematics 2 (a and b) will require, in general, two hours of preparation, making the total time required nine hours.

VI. NATURAL SCIENCE

CHEMISTRY

Students electing chemistry will be divided into two groups on the basis of their entrance credits in this subject. Those who have not passed the entrance examination in chemistry will elect Chemistry 1†; those who have passed the entrance examination will elect Chemistry 2. It is proposed by means of these two courses of unequal weight to compensate for unequal school preparation in chemistry so that students in both groups may have equal knowledge of the subject at the end of the year.

Chemistry 1.

For students who have not passed chemistry for admission. One lecture, three recitations, and one two-hour laboratory period a week.

Chemistry 2.

For students who have passed chemistry for admission. One lecture and two recitations a week.

Both courses are designed to present the simple chemistry of the commoner metallic and non-metallic elements studied systematically in natural groups. Emphasis is laid on the fundamental principles of modern chemical theory by constant application of these in the study of phenomena. The main objects sought in these courses may be briefly summarized as follows:

- (a) to teach the general principles of chemistry;
- (b) to train the student in exact habits of observation and deduction;
- (c) to develop habits of systematic association of natural phenomena;
- (d) to emphasize the importance of the application of chemistry in the arts and industries.

PHYSICS

For the same reason as in the case of chemistry there will be two courses in physics.

Physics 1.

A general course giving a survey of the subjects: mechanics of solids, liquids, and gases; heat; sound; electricity and magnetism; light. For students who have not passed physics for admission. One lecture, three recitations, and one two-hour laboratory period a week.

Physics 2.

Recitations and experimental demonstrations, covering the same subjects as Physics 1. For students who have passed physics for admission. One lecture and two recitations a week.

† Freshmen who entered on the old plan without examination in chemistry but who can present evidence of adequate preparation in this subject may apply to the Department of Chemistry for special examination in order to qualify for Chemistry 2.

VII. ENGINEERING†

Engineering 1. Introduction to Engineering.

The object of this course is to give the student a knowledge of the nature and the scope of engineering work in the various branches of engineering and to enable him to realize to what extent that work depends upon the application of the fundamental principles and methods which he is studying during the early years of his course. The course should also enable the student to choose more intelligently the branch of engineering which he will follow. One lecture and three hours of applied work, first term.

VIII. MECHANICAL DRAWING

Drawing 1.

Use of instruments, fundamentals of orthographic projection; isometric and cabinet drawing; technical sketching; single-stroke freehand lettering. One lecture and five hours of drawing, second term.

IX. MILITARY SCIENCE‡

Military Science 1.

For all students who intend to pursue courses in military science in either Yale College or the Sheffield Scientific School, leading to Reserve Commissions in the United States Army as Second Lieutenants of Field Artillery, Engineer Corps, Ordnance Corps, or Signal Corps. The course is given by officers of the United States Army. It may be elected as an extra study by Freshmen whose schedules will permit. One recitation a week.

† All students who intend to continue the study of engineering are required to take a four weeks' course in plane surveying immediately after the close of the June examinations at the end of Freshman year.

‡ For full information concerning continuation courses in military science in Yale College and the Sheffield Scientific School address the Department of Military Science, Yale University, New Haven, Connecticut.

YALE COLLEGE

FACULTY†

ADMINISTRATIVE OFFICERS

ARTHUR TWINING HADLEY, PH.D., LL.D., President.
JAMES ROWLAND ANGELL, LITT.D., President-elect.
FREDERICK SCHEETZ JONES, LL.D., Dean of the College.
ALFRED KINDRED MERRITT, B.A., Registrar of the College.

PROFESSORS

GEORGE BURTON ADAMS, PH.D., LITT.D., Professor of History, Emeritus.
HENRY AUGUSTIN BEERS, M.A., Professor of English Literature, Emeritus.
EDWARD SALISBURY DANA, PH.D., Professor of Physics, and Curator of the Mineralogical Collection, Emeritus.
FRANK AUSTIN GOOCH, PH.D., Professor of Chemistry and Director of the Kent Chemical Laboratory, Emeritus.
EDWARD PARMELEE MORRIS, L.H.D., LITT.D., Dunham Professor of the Latin Language and Literature, Emeritus.
TRACY PECK, LL.D., Professor of the Latin Language and Literature, Emeritus.
CHARLES HENRY SMITH, LL.D., Larned Professor of American History, Emeritus.

ROSWELL PARKER ANGIER, PH.D., Professor of Psychology, and Director of the Psychological Laboratory.
CHARLES MONTAGUE BAKEWELL, PH.D., Sheldon Clark Professor of Philosophy.
BERTRAM BORDEN BOLTWOOD, PH.D., Acting Professor of Chemistry.
ERNEST WILLIAM BROWN, Sc.D., F.R.S., Professor of Mathematics.
CLIVE DAY, PH.D., Professor of Economic History.
GEORGE MARTIN DUNCAN, LL.D., Professor of Logic and Metaphysics.
FRED ROGERS FAIRCHILD, PH.D., Professor of Political Economy.
MAX FARRAND, PH.D., Professor of History.
IRVING FISHER, PH.D., Professor of Political Economy.
HERBERT ERNEST GREGORY, PH.D., Silliman Professor of Geology.

† Members of the faculty on leave of absence are so indicated in Section I. Members of other faculties giving courses in Yale College may be found in Section I.

GUSTAV GRUENER, PH.D., LITT.D., Professor of German.
AUSTIN MORRIS HARMON, PH.D., Professor of Greek and Latin.
ROSS GRANVILLE HARRISON, PH.D., M.D., Bronson Professor of Comparative Anatomy, and Director of the Osborn Zoological Laboratory.

GEORGE LINCOLN HENDRICKSON, L.H.D., LL.D., Lampson Professor of Latin and Greek Literature.

ALLEN JOHNSON, PH.D., Larned Professor of American History.

ALBERT GALLOWAY KELLER, PH.D., Professor of the Science of Society.

CHARLES FOSTER KENT, PH.D., LITT.D., Woolsey Professor of Biblical Literature.

HENRY ROSEMAN LANG, PH.D., Benjamin F. Barge Professor of the Romance Languages and Literature.

CHARLTON MINER LEWIS, PH.D., Emily Sanford Professor of English Literature.

CLARENCE WHITTLESEY MENDELL, PH.D., Professor of the Latin Language and Literature.

WILLIAM LYON PHELPS, PH.D., Lampson Professor of English Literature.

JAMES PIERPONT, PH.D., LL.D., Professor of Mathematics.

HORATIO McLEOD REYNOLDS, M.A., Talcott Professor of the Greek Language and Literature.

CHARLES SEYMOUR, PH.D., Professor of History.

WILMON HENRY SHELDON, PH.D., Professor of Philosophy.

WILLIAM HOWARD TAFT, D.C.L., LL.D., Kent Professor of Law.

CHAUNCEY BREWSTER TINKER, PH.D., LITT.D., Professor of English Literature.

FREDERICK MORRIS WARREN, PH.D., L.H.D., Street Professor of Modern Languages.

LORANDE LOSS WOODRUFF, PH.D., Professor of Biology.

. . .

JOHN CHESTER ADAMS, PH.D., Faculty Adviser in Undergraduate Literary Activities, and Assistant Professor of English.

HOLLON AUGUSTINE FARR, PH.D., Chairman of the Freshman and Sophomore Faculties, and Assistant Professor of German.

WARREN MILTON PERSONS, PH.D., Visiting Professor of Economics.

ASSOCIATE PROFESSOR

DAVID ALBERT KREIDER, PH.D., Associate Professor of Physics.

ASSISTANT PROFESSORS

- JOHN EDWARD ANDERSON, PH.D., Assistant Professor of Psychology.
GEORGE ALFRED BAITSELL, PH.D., Assistant Professor of Biology.
CHARLES ANDREW ARMSTRONG BENNETT, PH.D., Assistant Professor of Philosophy.
JOHN MILTON BERDAN, PH.D., Assistant Professor of English.
PHILIP EMBURY BROWNING, PH.D., Assistant Professor of Chemistry.
JOHN PETER BUWALDA, PH.D., Assistant Professor of Geology.
AMES HAVEN CORLEY, PH.D., Assistant Professor of Spanish.
MAURICE REA DAVIE, PH.D., Assistant Professor of the Science of Society.
CARL OWEN DUNBAR, PH.D., Assistant Professor of Historical Geology.
RAYMOND THOMPSON HILL, PH.D., Assistant Professor of French.
JAMES W. D. INGERSOLL, PH.D., Assistant Professor of Latin.
HENRY LAURENS, PH.D., Assistant Professor of Biology.
CHESTER RAY LONGWELL, M.A., Assistant Professor of Geology.
ROBERT ALEXANDER PATTERSON, PH.D., Assistant Professor of Physics.
EDWARD BLISS REED, PH.D., Assistant Professor of English.
ROBERT SELDEN ROSE, PH.D., Assistant Professor of Spanish.
ROBERT LOUIS SANDERSON, M.A., Assistant Professor of French, Emeritus.
HORACE SCUDDER UHLER, PH.D., Assistant Professor of Physics.
RALPH GIBBS VANNAME, PH.D., Assistant Professor of Chemistry.
RAY BERT WESTERFIELD, PH.D., Assistant Professor of Political Economy.
FREDERICK WELLS WILLIAMS, B.A., Assistant Professor of Modern Oriental History.

INSTRUCTORS

- ENGLISH BAGBY, PH.D., Instructor in Psychology.
GLADDEN WHETSTONE BAKER, M.A., Instructor in Political Economy.
HOWARD SWAZEY BUCK, M.A., Instructor in English.
NORMAN SYDNEY BUCK, M.A., Instructor in Political Economy.
CLIFTON TISDALE EDGERLY, PH.D., Instructor in French.
EDWIN JOHN FISCHER, PH.B., Instructor in Chemistry.
RAYMOND MAIRE, L.É.L., Instructor in French.
DUMAS MALONE, B.D., Instructor in History.
MAX SOLOMON MANDELL, Instructor in Russian.
FREDERICK JOSEPH MANNING, B.A., Instructor in History.
HUGH BRUCE PRICE, M.A., Instructor in Economics.

HERBERT WESLEY ROGERS, M.A., Instructor in Psychology.
ALAN TOWER WATERMAN, PH.D., Instructor in Physics.

STANDING COMMITTEES

- On Admission (Representatives on the Joint Committee)*—Dean JONES and Professor DAY.
- On Sophomore Class Administration*—Professor FARR, Chairman; Professors GABRIEL, HILL, and LAURENS, Dr. ANDERSON, Mr. N. S. BUCK, and Mr. PRICE.
- On the Administration of the College Rules*—Dean JONES, Chairman; Dean TWICHELL, and Professors ADAMS, FARR, and SEYMOUR.
- On the Course of Study*—Professor TINKER, Chairman; Professors BUWALDA, DAY, MENDELL, and WARREN.
- On the Announcement of Courses and the College Catalogue*—Professor WILSON, Chairman; Professors BERDAN and HARMON.
- On Changes in Choice of Courses*—Dean JONES, Chairman; Professors FARR and REED.
- On Semi-annual Examinations (Representatives on the Joint Committee)*—Professors GABRIEL and KREIDER.
- On the B.A. Degree*—Professor GRUENER, Chairman; Professors FAIRCHILD and F. W. WILLIAMS.
- On Honors*—Professor ALLEN JOHNSON, Chairman; Professors BENNETT, LEWIS, and UHLER.
- On Undergraduate Scholarships*—Professor FARR, Chairman; Dean ANGIER and Professor WESTERFIELD.
- On Fellowships*—Professor DAY, Chairman; Professors VANNAME and WARREN.
- On the Andrews Memorial Library*—Professor KENT, Chairman; Professors DUNCAN and REYNOLDS.
- On Entertainments and Program (Representatives on the Joint Committee)*—Dean TWICHELL, Chairman; Professors ADAMS and PATTERSON.
- On College Chapel Exercises (Representatives on the Joint Committee)*—Professor MENDELL, Chairman; Professor FARR.
- On Ways and Means*—Dean JONES, Chairman; Provost WALKER, and Professors BAKEWELL, GREGORY, and KELLER.

GENERAL STATEMENT

HISTORY OF THE COLLEGE

FROM the date of the original Charter, in 1701, a course of instruction leading to the degree of Bachelor of Arts has been continuously offered at the College. At first only three years of undergraduate study were required, but before 1710 a four-year course was provided, which has since been maintained.

Until 1813, when a Medical School was organized, no other course of study for a degree was marked out at Yale College. After the incorporation of the Medical Institution (as it was originally styled) the older collegiate establishment began to be called the Academical Institution, and it continued to be so named until at length, with the growth of other Schools about it and the expansion of the whole into Yale University, it recovered its original title of Yale College, which it now distinctively holds.

In 1919 a four years' course of study leading to the degree of Bachelor of Philosophy was provided in Yale College, to which students are admitted in the regular way without the requirement of preparatory Latin. The course lays emphasis on Economic, Scientific, and Sociological study and prepares students for further study in Architecture, Business Administration, Law, or Medicine.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

GOVERNMENT, SCHOLARSHIP, ATTENDANCE, AND CONDUCT

The DEAN OF THE COLLEGE FACULTY has the general supervision, under the Faculty, of the Senior and Junior classes. A COMMITTEE ON SOPHOMORE CLASS ADMINISTRATION, consisting of instructors of the class, has a similar supervision of the Sophomore class, whose members are assigned in groups to the care of individual members of the Committee. Members of the Freshman Class are under the government of the DEAN OF FRESHMEN and the FRESHMAN FACULTY.

The COLLEGE RULES FOR SCHOLARSHIP, ATTENDANCE, AND CONDUCT are issued in a separate pamphlet, copies of which are distributed to members of the incoming class and may be obtained at the Dean's Office.

FOR ATTENDANCE AT PRAYERS AND SUNDAY SERVICE, which is required of students in the College, see the article on Religion and Social Service in Section III of this Catalogue.

TERMS AND VACATIONS

The regular University Calendar is printed on a page preceding Section I.

The **PUBLIC COMMENCEMENT** is held on the next to the last Wednesday in June. The **FIRST TERM** begins thirty-eight weeks and the **SECOND TERM** nineteen weeks before Commencement Day.

The Christmas Recess extends from the first Friday after December 15 to the first Tuesday after January 2. The Easter Recess extends from the Wednesday before to the Thursday after Easter Sunday.

ROOMS

There are in the College Buildings (described in Section IV) about six hundred unfurnished and partially furnished rooms or suites of rooms occupied by students, at prices varying from \$90 to \$260 per year for each occupant, payable each term in advance. Students are not allowed to room out of College, unless residing with parents or guardian, except by special permission of the Faculty. Correspondence about College rooms should be addressed to the Registrar.

Choices for the ensuing year will be allotted to the Sophomore class on Wednesday, April 27, to the Junior class on Friday, May 6, and to the Senior class on Friday, May 13.

EXPENSES

The **BILLS FOR TUITION**, room rent and various other items are due and payable twice a year in advance, namely, at the beginning of each term, at the office of the Bursar in Houghton Hall, and will be mailed to the parent or guardian of any student only if request to that effect is made. Accounts for the Senior, Junior, and Sophomore classes for the first term must be settled by October 15, for the Freshmen by November 1, and accounts for the second term by February 15. Dining Club bills and other accounts are payable within ten days of the date on which they are presented. Drafts on New York, Chicago, Philadelphia, and Boston are received at par. Any delay in payment beyond the date specified renders the delinquent student liable to forfeiture of his enrollment, or to such other discipline as may commend itself to the Dean. In any event, the Bursar is directed to regard a delinquent student's registration as temporarily suspended, and to so report to the Dean. Registration once suspended or forfeited can be restored only upon the payment of a fee of \$5.

The regular tuition is \$300 per year for fifteen hours of work per week. This charge will be adjusted at the rate of \$20 per hour per week for students in these classes taking more than fifteen hours of

work per week. The tuition charges above mentioned include fees for registration and for the use of the University Libraries and Gymnasium. An additional charge of \$20 is made in the last bill for tuition in Senior year, to cover expenses of graduation.

A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, is charged full tuition during his absence, and payment is required before he can be admitted to examination.

Every student, on being admitted, must give to the Bursar a bond, executed by his parent or guardian, for \$500, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is provided at the time of admission.

SELF-HELP AND SCHOLARSHIPS

Any student in the University will be assisted to obtain employment by the Bureau of Appointments (described in Section III), which also has charge of the assignment of beneficiary aid to students in the College.

The income of certain beneficiary funds is annually applied to the relief of a limited number of students in the College who need pecuniary aid and are of approved character. This assistance is given in the form of tuition scholarships, as aid to students intending to enter the ministry, in loans, and in special beneficiary scholarships to students selected by the Director of the Bureau of Appointments and the Dean of the College. All applications for beneficiary aid should be sent to the Bureau of Appointments as early in September as possible and not later than September 30 of each year. Needy students are also employed as monitors, etc., and may obtain some textbooks gratuitously from a Loan Library, and some furniture from a Loan Collection.

Tuition Scholarships, usually in the form of long time loans without interest, are granted to approved students upon the basis of need and of excellence in scholarship, as follows:

For the first term of Freshman year an abatement of tuition is made to such students as are judged to be in need of such aid to enable them to pursue their College course. The fact and the degree of the need in each case are determined by the information given by the applicant in filling out a form of application, which may be obtained from the Bureau of Appointments.

After the first term of Freshman year these awards are made on the basis of the students' scholarship grades, and no abatement is allowed to any applicant whose standing for the preceding term is unsatisfactory.

A complete list of University fellowships, scholarships, and prizes is given in Section VIII. Further information on this subject may be

obtained from the Bureau of Appointments, to which all applications for beneficiary aid should be made.

Students who announce their intention of entering the Christian ministry may obtain special aid, generally sufficient to meet the entire tuition charge. Each student so assisted, however, is required to give his promissory note for the additional amount of aid received in view of this announced purpose. This is payable five years after graduation, if by that time he has not undertaken either ministerial or missionary work.

The sum of \$13,500 has been appropriated from the LOAN FUND to be lent, through the Bureau of Appointments, to College students whose character and promise make them worthy of such help. These loans are the same in amounts as Tuition Scholarships and are to be applied toward payment of tuition. Those who are in a position to do so are advised to apply for the remission of tuition as a loan, and not as a gift. Application must be made each year, on forms which may be obtained from the Secretary of the Bureau.

There are also opportunities for students in need of aid to render service to the College as monitors, members of the Chapel Choir, etc. In this way about \$1,500 is disbursed annually. Applications for monitorships should be made to the Registrar of the College.

In general it may be said that the other means of self-help at the command of the students are sufficient to enable those who have spare time to provide for the larger part of their College expenses.

By the liberality of William L. Andrews, of New York City, and as a memorial of his son, Loring W. Andrews (B.A. 1883), a well-furnished library has been established, containing textbooks and works of reference, to be lent gratuitously to those students who cannot afford the expense of purchasing books. Permission to use this library is obtained from the Bureau of Appointments.

REQUIREMENTS FOR ADMISSION

For Terms of Admission, see Section V of this Catalogue.

DEGREES

The degree of Bachelor of Arts is conferred by the Corporation, on the recommendation of the Faculty of Yale College, upon those candidates who have completed the course of study prescribed for the degree. Latin is a prerequisite for admission.

The degree of Bachelor of Philosophy is conferred in like manner upon those candidates who have completed the prescribed course of study for this degree. Latin is among the elective subjects for admission, but is not an absolute requirement.

No candidate is eligible for a degree until all payments have been made to the Bursar.

COURSES OF INSTRUCTION

GENERAL PROVISIONS

PRELIMINARY STATEMENT

The course of study in Yale College is in large measure prescribed. The object of this prescription is twofold: first, to acquaint the student with certain fundamental subjects; and second, with due regard to special aptitudes and interests, to provide him with courses of a somewhat more specialized character. For various reasons there is a certain divergence in the character of the work prescribed for the two degrees of Bachelor of Arts and Bachelor of Philosophy. Those students who have presented Latin or Greek for admission to college and who pursue the study for at least a year in college will, in general, be candidates for the degree of Bachelor of Arts; those who have presented a more varied list of studies, exclusive of Latin, will, in general, be candidates for the degree of Bachelor of Philosophy.

For the degree of Bachelor of Arts some ten courses are prescribed, covering a wide field of interests; these are followed in later years by a more narrowly restricted series of courses in two related departments of study, chosen by the student according to the provisions set down for major and minor groupings. The rest of the student's time, amounting to more than one fourth of the whole, is left open for free electives.

For the candidates for the degree of Bachelor of Philosophy a series of studies known as "group courses" is provided, among which the student may choose. Within each group there will be found a logical sequence of courses, extending through the four years of the student's undergraduate career, and designed to provide a thorough grounding in the main subject of study within the group; but, in all cases, some elective freedom has been left to the student in order to enable him to satisfy, to some extent, his individual preferences. The student will ordinarily choose his group course before the end of his Freshman year.

AMOUNT OF WORK REQUIRED FOR GRADUATION, AND ENROLLMENT

A candidate for the Bachelor's degree must successfully complete courses aggregating forty-five hours per week through a year, in addition to the courses passed to satisfy the requirements of Freshman year. He must also obtain forty-five points of quality credit on these hours. Quality credits are awarded as follows: for each hour passed

with an A grade (90 or above on a scale of 100) four points; with a B grade (80-89) three points; with a C grade (70-79) two points; with D grade (65-69) one point.

Students are expected to elect fifteen hours per week in each year. Exceptions are allowed under conditions explained in the sections describing the course of study for the individual years. A student may be required to make up prolonged absence by taking extra hours in addition to the hours required for graduation. Since the charge for tuition is based on the number of hours per year of instruction, taking extra hours involves an increase in tuition fees.

In order to remain in regular standing with his class a student must pass all of his normal work. A student who has failed in courses aggregating seven and a half hours or more and who presumably will be obliged to return to college for one term after the graduation of his class will be ranked permanently with the class below. A student who has failed in fewer hours will retain his class rating, but will be obliged to make up these hours by taking extra courses.†

No credit toward the degree is given for a course that has not been passed, nor is partial credit given for an uncompleted course. Hours lost through failure to pass a course must be made up in a later year by taking an equivalent number of hours in addition to the amount of work otherwise required. In general, a student may not repeat a course in which he has failed, unless compelled to do so in order to satisfy the requirements for the prescribed courses.

ANTICIPATION OF COURSES

This privilege is restricted to those who have an average scholarship standing of B grade or higher on the work of the previous year and have no deficiency due to failure in a course taken in the previous year. A student who desires to anticipate a course must make application in writing to the Dean before September 1, pay the Bursar the fee for a special examination, and present himself for examination at the specified time in September. If he passes the examination, he may take in place of the anticipated course an equal number of hours from the courses open to his own class or, if he is properly qualified, to the next higher class. If a grade of C or higher is obtained on the examination, the anticipated course may count as part of the hours required for graduation.

† To be admitted to full and regular standing in the Sophomore class, a student must pass all of his Freshman courses. Any Freshman passing less than four courses (not including Military Science) will be classed as a "Rated Sophomore" and will be under the penalty of disqualification, i.e., will not be eligible for membership in athletic and other organizations. No student with entrance conditions will be allowed to enter upon work of the Sophomore class.

COMPLETION OF THE COURSE IN THREE YEARS

A good student may complete the required sixty hours at the end of his third year by taking additional hours in his earlier years and by anticipating one or more courses at the beginning of each year. This privilege is open only to those who have taken a high rank in Freshman year, and only by special vote of the Faculty in each case.

GRADING OF COURSES

Courses are generally graded according to their difficulty, the method of their presentation, and the degree of maturity expected of the student. The grade to which a course belongs is indicated by a letter (A, B, C, or H) prefixed to the number of the course; courses of A grade being elementary in character, B intermediate, and C advanced. Courses designated by the letter H are open to honors students only, unless otherwise stated.

HONORS COURSES

Sophomores† whose scholarship standing during Freshman year and the first term of Sophomore year has been 80 or higher may become candidates for honors in one of the several departments of study. Sophomores whose average is below 80 but who have no deficiencies may also, with the permission of the department concerned and with the approval of the Dean, become candidates for honors. In order to continue eligible for honors, the student must maintain the average of 80 for the remainder of Sophomore year, and throughout Junior and Senior years in all studies outside of the honors courses.

The work for honors amounts, in general, to twelve hours divided between Junior and Senior years. This work is offered partly in regular courses and partly in special courses to which only candidates for honors will be admitted. These special courses, designated by the letter H, frequently involve individual reading or research by the student under the guidance of the instructor, in place of the ordinary classroom work. The requirements for honors courses are stated below, preceding the detailed announcement of the courses of the respective departments in which they are offered.

At the end of Junior year, candidates for honors must pass an examination upon the whole of their honors work for the year, and a preliminary (Junior) honors list will be published, based largely

† Under certain conditions, and with the consent of the Dean and of the department concerned, Juniors and students admitted to the Senior class from other colleges may enroll themselves as honors candidates for Senior year only. They must give evidence of their fitness to undertake the Senior honors course, and, in order to gain enrollment in the final honors list, must pass examinations upon the honors work of Junior year as well as that of Senior year.

upon the results of this examination. Final honors will be awarded in a similar way upon the basis of an examination at the end of Senior year.

An honors student in Junior year who does not continue work for honors in Senior year must satisfy the usual requirements for the usual major and minor or group course in the department elected for his honors work.

SPECIAL EXPLANATIONS

1. Courses included in brackets are omitted during the current year, but will probably be given in the following year.

2. A star (*) prefixed to the statement of a course indicates that written permission must be secured from the instructor in order to gain admission to the course. Blanks for this purpose are to be obtained at the Dean's office.

3. The credit in hours given for the course is usually the same as the number of recitation periods per week stated in the description of the course. When this is not the case, the description gives both.

4. In some cases one course must be taken in connection with another, or may be taken only after another has been passed. Such restrictions, and restrictions to a particular class or to particular classes, are indicated in the description of the course. A student who elects a half-year course must elect another half-year course in the same department for the other half-year; only one exception to this rule will be allowed for any one year. B courses may be taken only if the student has passed an A course in the same department, C courses only if he has passed a B course.

5. Courses not so restricted to particular classes are open to Juniors and Seniors, and to them only; but Freshman courses are open to all classes.

COURSE LEADING TO THE B.A. DEGREE

REQUIRED COURSES

Every candidate for the degree of Bachelor of Arts must complete the following courses:

1. Greek A3 or Latin A1
2. French A5, German A5, Spanish C5, or Spanish C 7a and C 7b
3. English A1
4. European History A1
5. American History B2
6. Economics A1
7. Philosophy A2 or Psychology A4
- 8 and 9. Two of the following (not in the same Department): Mathematics A1; Physics A1 or A2; Biology A1
10. Either Chemistry A1 or A2 or Geology A1a and A1b

The requirement in European History, American History, Mathematics, Physics, and Chemistry, respectively, will be waived in the case of students who have passed the corresponding entrance examination in the subject. The requirement in French, German, or Spanish may also be fulfilled by passing an examination at the end of Sophomore year.

The following restrictions are to be observed: the study of French, German, or Spanish must be consecutive until the requirement is fulfilled; either Mathematics or a science must be studied in both Freshman and Sophomore years; and Latin or Greek should be studied in Freshman year.

FRESHMAN YEAR

See the pages preceding those describing Yale College.

SOPHOMORE YEAR

A student entering the Sophomore class must choose five of the following subjects, and may, under certain conditions, choose six:

Biology	History
Chemistry	Italian
Economics	Latin
English	Mathematics
French	Military Science
Geology	Philosophy or Psychology
German	Physics
Greek	Spanish

Certain other courses are open to Sophomores under special conditions explained in connection with the statement of the individual courses.

Every Sophomore must take Mathematics or a science, and must continue the study of French, German, or Spanish unless he has satisfied the requirement in modern languages. Students of high scholarship may apply to the Dean for special exemption from the rules. Each student must obtain the signature of his Freshman division-officer on the elective blank before it is handed in.

Sophomores are expected to elect courses aggregating fifteen hours. Students whose scholarship standing for Freshman year has been at least 75 may elect additional work, to the extent of three hours, from the courses open to Sophomores. Only those whose scholarship standing for the two preceding terms has been at least 75 may continue to carry more than fifteen hours for the second term.

In choosing his course of study for Sophomore year, the student should note that many of the subjects in which majors and minors are offered require certain Sophomore courses as a necessary preparation. The majors and minors, with their prerequisites, are defined in

connection with the departments of study in the statement of courses. The requirement for Sophomore year is satisfied only by passing five Sophomore courses including Mathematics or a science.

INDIVIDUAL COURSES

The individual courses open to Sophomores are:

Biblical Literature: B2a, The Founders of Christianity; B2b, The World Religions; and B3, The Bible as Literature. (These may be taken only in addition to the required fifteen hours.)

Biological Sciences: A1, General Biology.

Chemistry: A1 or A2, Elementary General Chemistry; or (for those who have passed Chemistry A1 or A2) *B3a, Qualitative Analysis and *C15b, Quantitative Analysis, or *B5, Elementary Organic Chemistry, or *B9, Elementary Physical Chemistry.

Economics: A1, Elementary Economics.

English: B3, Sophomore English.

French: A1, Elementary French; A3, Second-year French; A5, Advanced French; B11, Selected Readings from French Literature. One course only may be chosen.

Geological Sciences: A1a and b, Dynamical and Historical Geology.

German: A1, Elementary German; A3, Second-year German; A5, Advanced German; B11, German Drama; B13, Scientific German; *B15, German Composition and Conversation (open to Sophomores who have passed A5 with distinction). One course only may be chosen.

Greek: B5, The Athenian Drama; or A0, Elementary Greek (open only to those entering college without Greek); or A1, Plato and Homer (open only to those entering college without Homer); or A3, Homer, the Lyric Poets, and Aristophanes (open only to those entering college with Homer).

History: A1, European History; B2, United States History. One course only may be chosen as part of the required fifteen hours.

Italian: A1, Elementary Italian. Open to Sophomores of grade 75 or better in Freshman year standing.

Latin: B3, Tacitus, Horace, and Catullus; or A1, Plautus, Catullus, Cicero, and Horace.

Mathematics: A1, Elementary Mathematics; or B5, Sophomore Mathematics. The first course is for those who have not taken Mathematics in Freshman year. Students who have taken Freshman Mathematics must take B5.

Military Science: A3a, Field Artillery Matériel and Drill Regulations, and A3b, Field Artillery Topography and Reconnaissance.

Philosophy: A1a, or A1b, Logic; A2, History of Philosophy; A4, Psychology. One course only may be chosen as part of the required fifteen hours.

Physics: A1 or A2, Elementary Physics; or B3, Second-year Physics (open as a Sophomore course only to those who have taken A1 or A2 in Freshman year).

Spanish: A1, Elementary Spanish; or B3, Composition in Spanish and Reading of Modern Prose.

JUNIOR AND SENIOR YEARS

Members of the Junior and Senior classes are expected to elect courses aggregating fifteen hours. No student may take more than fifteen hours in any term unless his scholarship standing for the two preceding terms has been at least 75, and he may not take more than eighteen hours without special permission. Juniors are required to elect at least fifteen hours, but Seniors, who need less than this number to complete the sixty required for the degree, may elect as few as twelve hours, but no less, in either term.†

Juniors and Seniors, in their choices, which have a wider range than those of the first two years, are restricted by the special requirements of the various courses and by the following general provisions. They must complete those prescribed studies which they have not previously passed, and a major and minor, or an honors course, as described later.

Any excess of hours above the sixty required for the degree may be devoted by Seniors to courses in the professional schools.† Each Senior, however, must complete at least one course, extending over the entire year, in the College if he occupies a room in the College dormitories.

MAJOR AND MINOR

Every student not taking honors courses must complete in Junior and Senior years a major in one subject and a minor in a related subject, aggregating together not less than twelve hours of Junior and Senior years' work. A student admitted to advanced standing from another college must satisfy the requirements of prescribed studies in Freshman and Sophomore years, and also the requirements for a major and minor; due allowance is made for courses taken elsewhere. Except in Latin and in Greek, at least five hours of work in the major and related minor must be taken in Senior year.

The majors and minors are described in the introductory statements to the several departments of study in the statement of courses. The student's list of choices for Junior year must indicate how he intends to complete the required major and minor, and must be signed by his Sophomore division-officer before it is handed in. Sophomores in particular should note that the written permission of the instructor is required for admission to courses designated by a star (the so-called starred courses). Hence, in choosing a major or minor which contains any starred course, the student must be reasonably sure in advance that he can meet this requirement, and ought, in every case, to consult the instructor beforehand.

† This provision does not apply to a student entering the College at the beginning of Senior year. He must take at least fifteen hours, confined to non-professional College courses.

COURSE LEADING TO THE PH.B. DEGREE†

GENERAL REGULATIONS

This course is intended particularly for students who enter without Latin, although two or more years of this subject may be offered for entrance credits. Those who are admitted without Latin may receive the degree of Bachelor of Arts by subsequently passing the entrance examinations in Latin and by fulfilling all the requirements for that degree.

The general regulations as to hours required, individual courses, etc., are those on pages 140-146 of this Catalogue. The course for Freshman year is given in Section V. For Sophomore, Junior, and Senior years each candidate will be required to select one of several groups of courses, in each of which about three-fifths of the student's time will be devoted to specialization in one subject or two related subjects, and two-fifths to free electives. The amount of work required in each year is fifteen hours, but extra work may be permitted under the conditions given for B.A. candidates.

In general scope the groups of courses, including the work of Freshman year, correspond to the required courses and the majors and minors taken by B.A. candidates in the several subjects mentioned above, except that Mathematics is required in Freshman year instead of Latin and the specialization is more closely directed.

The courses set down in the various groups are required, but the electives may be chosen from any of the courses given in the detailed course of study, with the following exceptions. Candidates for the Ph.B. degree must satisfy the requirement in French, German, or Spanish prescribed for B.A. candidates, as given on page 143, either by examination or by taking the courses there stated. They must also satisfy the same requirements in Mathematics and Science as B.A. candidates. Furthermore, students taking groups not containing United States History must either take the course among their electives or pass an examination in the subject before the end of Junior year.

HISTORY AND POLITICS

SOPHOMORE YEAR

1. *History B 2, United States History.*
2. *Economics A 1, Elementary Economics.*
3. *Psychology A 4, Psychology.*
4. *Biology A 1, General Biology.*
5. An elective.

† Members of the Class of 1923 who are candidates for this degree will conform to the rules laid down in the Catalogue of Yale College for 1919-20. For Freshman Year see the Catalogue of the Freshman Year.

JUNIOR YEAR

1. History B 20a, *The British Empire*.
2. History B 28b, *Contemporary United States*.
3. History B 21a, *Comparative Politics*.
4. History B 21b, *American Politics*.
5. Economics B 3a, *Financial History of the United States* or Economics C 7a, *Economic Organization*.
6. Economics B 5b, *Business Economics* or Economics C 9b, *Public Finance*.
7. Electives.

SENIOR YEAR

1. History C 31a, *American Constitutional History*.
2. History C 33b, *Contemporary Europe*.
3. History B 30a, and B 30b, *Hispanic America*.
4. Philosophy A 2, *History of Philosophy* or Anthropology A 1, *Anthropology*.
5. Electives.

SOCIAL AND POLITICAL SCIENCE

SOPHOMORE YEAR

1. Economics A 1, *Elementary Economics*.
2. Psychology A 4, *Psychology*.
3. History B 2, *United States History*.
4. Biology A 1, *General Biology*.
5. An elective.

JUNIOR YEAR

1. Economics B 3a, *Financial History of the United States*.
2. Economics B 5b, *Business Economics*.
3. Anthropology A 1, *Anthropology*.
4. History B 21a, *Comparative Politics*.
5. History B 21b, *American Politics*.
6. Electives.

SENIOR YEAR

1. Four courses chosen from the C courses in *Economics*.
2. Anthropology B 3, *Science of Society*.
3. History C 33a, *The French Revolution and Napoleon*.
4. History C 33b, *Contemporary Europe*.
5. Electives.

NOTE. Of the free hours in this group at least half must be taken in courses outside of History and the Social Sciences.

LAW

Students desiring to devote their Senior year to the study of law are required to complete the studies of Sophomore and Junior years as set down for the group courses in History and Politics or in Social and Political Science.

MATHEMATICS, PHYSICS, AND CHEMISTRY

SOPHOMORE YEAR

1. *Mathematics B 5, Sophomore Mathematics.*
2. *Physics A 1 or A 2, Elementary Physics*
or *B 3, Second-year Physics.*
3. *Chemistry A 1 or A 2, Elementary General Chemistry*
or *Chemistry B 3a, Qualitative Analysis*, and *C 15b, Quantitative Analysis*
4. *Economics A 1, Elementary Economics.*
5. An elective.

JUNIOR YEAR

(A) Mathematics and Physics

1. *Mathematics C 15, Advanced Calculus.*
2. *Physics B 3, Second-year Physics*
or *Physics C 5, Introduction to Theoretical Physics.*
3. A course or courses in *English, History*
or *Economics* (2 or 3 hours).
4. Electives.

or (B) Physics and Chemistry

1. *Physics B 3, Second-year Physics*
or *Physics C 5, Introduction to Theoretical Physics.*
2. *Chemistry B 3a, Qualitative Analysis*, and *C 15b, Quantitative Analysis*
or *Chemistry B 5, Elementary Organic Chemistry.*
3. A course or courses in *English, History*
or *Economics* (2 or 3 hours).
4. Electives.

SENIOR YEAR

(A) Mathematics and Physics

1. *Mathematics C 17, Mechanics.*
2. *Physics C 7, Advanced Laboratory Physics.*
3. *Physics C 5, Introduction to Theoretical Physics*, if not previously taken;
or *Chemistry B 3a, Qualitative Analysis*, and *C 15b, Quantitative Analysis*
or *Biology A 1, General Biology.*
4. Electives.

or (B) Physics and Chemistry

1. *Physics C 5, Introduction to Theoretical Physics*
or *Physics C 7, Advanced Laboratory Physics.*
2. *Chemistry B 5, Elementary Organic Chemistry*
or *Chemistry B 9, Elementary Physical Chemistry.*
3. *Physics C 7, Advanced Laboratory Physics*
or *Chemistry B 9, Elementary Physical Chemistry.*
4. Electives.

CHEMISTRY AND BIOLOGY

SOPHOMORE YEAR

1. *Chemistry B 3a, Qualitative Analysis*, and *C 15b, Quantitative Analysis.*

2. *Physics A 1 or A 2, Elementary Physics*
or *Physics B 3, Second-year Physics.*
3. *Biology A 1, General Biology.*
4. *Economics A 1, Elementary Economics.*
5. An elective.

JUNIOR YEAR

1. *Chemistry B 5, Elementary Organic Chemistry.*
2. *Biology B 11a, Histology, and B 15b, Comparative Anatomy.*
3. A course or courses in *English, History*
or *Economics* (2 or 3 hours).
4. Electives.

SENIOR YEAR

1. *Chemistry B 9, Elementary Physical Chemistry.*
2. *Biology C 12a, General Physiology*
or *H 20a, Biology of the Protozoa, and C 13b, Embryology.*
3. *Psychology A 4.*
4. Electives.

GEOLOGY, BIOLOGY, AND CHEMISTRY

SOPHOMORE YEAR

1. *Geology A 1a, Elementary Physical Geology, and A 1b, Elementary Historical Geology.*
2. *Biology A 1, General Biology.*
3. *Chemistry A 1 or A 2, Elementary General Chemistry*
or *Physics A 1 or A 2, Elementary Physics.*
4. *Economics A 1, Elementary Economics.*

JUNIOR YEAR

(A) Geology and Chemistry

1. *Geology B 5, Regional and Economic Geology.*
2. *Chemistry B 3a, Qualitative Analysis, and C 15b, Quantitative Analysis.*
3. A course or courses in *English, History*
or *Economics* (2 or 3 hours).
4. Electives.

(B) Geology and Biology

1. *Geology B 5, Regional and Economic Geology.*
2. *Biology B 11a, Histology, and B 15b, Comparative Anatomy.*
3. A course or courses in *English, History, or Economics* (2 or 3 hours).
4. Electives.

SENIOR YEAR

(A) Geology and Chemistry

1. *Geology C 24, Structural Geology*
or *Geology C 28, Physiography.*
2. *Chemistry B 5, Elementary Organic Chemistry.*
3. The alternate course in Geology not elected in (1) above
or *Chemistry B 9, Elementary Physical Chemistry.*
4. Electives.

(B) Geology and Biology

1. *Geology C 24, Structural Geology* or *Geology C 28, Physiography*.
2. *Biology C 12a, General Physiology* (or *H 20a, Biology of the Protozoa*), and *Biology C 13b, Embryology*.
3. The alternate course in Geology not elected in (1) above or an advanced course in Biology.
4. Electives.

PSYCHOLOGY, SOCIAL SCIENCE, AND BIOLOGY

SOPHOMORE YEAR

1. *Psychology A 4, Psychology*.
2. *Economics A 1, Elementary Economics*.
3. *Biology A 1, General Biology*.
4. *Philosophy A 2, History of Philosophy*.
5. An elective.

JUNIOR YEAR

(A) Psychology and Social Science

1. *Psychology B 11, Experimental Psychology*.
2. *Psychology B 16, Social Psychology* or *Anthropology A 1, Anthropology*.
3. *Economics B 3a, Financial History of the United States* and *Economics B 5b, Business Economics*.
4. *History B 2, United States History*.
5. Electives.

or (B) Psychology and Biology

1. *Psychology B 11, Experimental Psychology*.
2. *Biology B 15b, Comparative Anatomy*.
3. *History B 2, United States History*.
4. *Physics A1 or A2* (if not taken previously).
5. Electives.

SENIOR YEAR

(A) Psychology and Social Science

1. *Psychology C 23, Applied Psychology*.
2. *Philosophy B 18, Philosophy of the State* or *Anthropology B 3, Science of Society* (to be taken only after *Anthropology A 1*).
3. A course or courses in *English, History, or Economics* (2 or 3 hours).
4. Electives.

or (B) Psychology and Biology

1. *Psychology C 19, Advanced Laboratory Psychology*.
2. *Biology C 12a, General Physiology*.
3. A course in *English, History* or *Economics* (2 or 3 hours).
4. Electives.

ARCHITECTURE

SOPHOMORE YEAR

1. *Art A 2, Drawing.*
2. *Mathematics B 5, Sophomore Mathematics.*
3. *Physics A 1 or A 2, Elementary Physics.*
4. *Economics A 1, Elementary Economics.*
5. An elective.

JUNIOR YEAR

1. *Art B 3, Architecture.*
2. *Drawing 2 (Sheffield Scientific School course).*
3. *Archæology C 5, Greek Architecture.*
4. A course or courses in *English, History* or *Economics* (2 or 3 hours).
5. Electives.

SENIOR YEAR

1. *Art B 4, Mediæval Architecture.*
2. *Art B 6, Renaissance Architecture.*
3. *Art C 10, Advanced Architecture.*
4. A course or courses in *English, History* or *Economics* (2 or 3 hours).
5. Electives.

MILITARY SCIENCE

SOPHOMORE YEAR

1. *Military Science II†.*
2. *History B 2, United States History.*
3. One of the following:
 - Physics A 1 or A 2, Elementary Physics.*
 - Physics B 3, Second-year Physics.*
 - Chemistry A 1 or A 2, Elementary General Chemistry.*
 - Chemistry *B 3a, Qualitative Analysis (Inorganic).*
 - Mathematics B 5, Sophomore Mathematics.*
4. *English B 3, Sophomore English.*
5. An elective.

JUNIOR YEAR

(A)

1. *Military Science III.*
2. *History B 20a, The British Empire; and B 28b, Contemporary History of the United States.*
3. *Economics A 1, Elementary Economics* or *Psychology A 4, Psychology.*
4. Electives.

or (B)

1. *Military Science III.*

† The use of a Roman numeral after the name of a subject, as, for example, "Military Science II," indicates the year of its study.

2. A course or courses in *Mathematics, Physics* or *Chemistry* (2 or 3 hours).
3. A course or courses in *Psychology* or *Economics* (2 or 3 hours).
4. Electives.

SENIOR YEAR

(A)

1. *Military Science IV.*
2. *History C 31a, American Constitutional History, and C 33b, Contemporary Europe.*
3. *Economics B 3a, Financial History of the United States; and C 9b, Public Finance.*
4. Electives.

or (B)

1. *Military Science IV.*
2. A course or courses in *Mathematics, Physics* or *Chemistry* (2 or 3 hours).
3. A course or courses in *History* or *Anthropology* (2 or 3 hours).
4. Electives.

SUBJECTS OF INSTRUCTION

I. ANTHROPOLOGY

MAJOR AND MINORS

MAJOR. (6 or 7 hours.) Three of the following courses:

- | | |
|---|--------|
| 1. <i>Anthropology (A 1)</i> | 2 hrs. |
| 2. <i>Science of Society (B 3)</i> | 2 " |
| 3. <i>Applied Sociology (B 5)</i> | 3 " |
| 4. { <i>American Society (B 7)</i> | 2 " |
| or <i>Natural History of Man (*C 9)</i> | 2 " |

MINORS.

IN ECONOMICS. (6 hours.) Four of the following courses:

- | | |
|---|---------|
| 1. <i>Financial History of the United States (B 3a)</i> | 1½ hrs. |
| 2. <i>Foreign Trade (C 8a)</i> | 1½ " |
| 3. <i>Socialism and Social Reform (C 15a)</i> | 1½ " |
| 4. <i>Economic Organization (C 7b)</i> | 1½ " |
| 5. <i>Distributing Systems (C 11a)</i> | 1½ " |
| 6. <i>The Labor Problem (C 17b)</i> | 1½ " |

IN HISTORY. (6 hours.) Four of the following courses:

- | | |
|--|---------|
| 1. <i>Comparative Politics (B 21a)</i> | 1½ hrs. |
| 2. <i>American Politics (B 21b)</i> | 1½ " |
| 3. <i>American Constitutional History (C 31a)</i> | 1½ " |
| 4. <i>The French Revolution and Napoleon (C 33a)</i> | 1½ " |
| 5. <i>Contemporary Europe (C 33b)</i> | 1½ " |

OUTLINE OF COURSES

Anthropology A 1. Anthropology.

For Juniors. Two hours. Professor KELLER.

Anthropology B 3. Science of Society (Sociology).

For Seniors, normally after Anthropology A 1. Two hours. Professor KELLER.

Anthropology B 5. Applied Sociology.

For Seniors. Three hours. Assistant Professor DAVIE.

Anthropology B 7. American Society.

Two hours. Assistant Professor DAVIE.

**Anthropology C 9. Natural History of Man.*

For Seniors, after Anthropology A 1. Two hours. Professor FERRIS.

GRADUATE COURSES OPEN TO UNDERGRADUATES

Properly qualified Seniors may, with the consent of the instructor and the approval of the Dean, be admitted to the following graduate courses and count them as C courses in Anthropology: *Sociological Systems* and *The Mental Outfit* (Professor KELLER). These courses are described in the Catalogue of the Graduate School.

II. ARCHÆOLOGY (CLASSICAL)

MINORS

Minors in Classical Archæology are offered in connection with majors in Latin and in Greek.

OUTLINE OF COURSES

**Classical Archæology C 1. Greek and Roman Sculpture.*

After Greek A 1 or A 3, or with the consent of the instructor. Three hours. Assistant Professor BAUR.

**Classical Archæology C 5. Greek Architecture.*

After Greek A 1 or A 3. Three hours. Assistant Professor BAUR.

**Classical Archæology C 7. Roman and Etruscan Art.*

After Latin A 1. Three hours. Assistant Professor BAUR.

[Omitted in 1921-22.]

III. ART

For *Greek, Roman, and Etruscan Art*, see group II.

MAJORS AND MINORS

MAJOR I. IN ART. (8 hours.) Four of the following:

- | | |
|--|--------|
| 1. <i>Pictorial Art</i> (A 1) | 2 hrs. |
| 2. <i>Drawing</i> (A 2) | 2 " |
| 3. <i>Painting</i> (B 5) | 2 " |
| 4. <i>Sculpture</i> (B 7) | 2 " |
| 5. <i>Italian Renaissance Painting and Sculpture</i> (B 9) | 2 " |

MINOR. IN ARCHÆOLOGY. (5 or 6 hours.) Two of the following courses:

- | | |
|--|--------|
| 1. <i>Greek Architecture</i> (*C 5) | 3 hrs. |
| 2. <i>Greek Sculpture</i> (*C 1) | 3 " |
| 3. <i>Roman and Etruscan Art</i> (*C 7) | 3 " |
| 4. <i>Mediæval Architecture</i> (Art B 4) | 2 " |
| 5. <i>Renaissance Architecture</i> (Art B 6) | 2 " |

MAJOR II. IN ARCHITECTURE. (8 hours.)

- | | |
|--|--------|
| 1. <i>Drawing</i> (A 2) | 2 hrs. |
| 2. <i>Architecture</i> (B 3) (to be taken Junior year) | 3 " |
| 3. <i>Advanced Architecture</i> (C 10) | 3 " |

MINOR. IN HISTORY OF ART. (7 hours.)

- | | |
|--|--------|
| 1. <i>Greek Architecture</i> (Archæology *C 5) | 3 hrs. |
| 2. <i>Mediæval Architecture</i> (B 4) | 2 " |
| 3. <i>Renaissance Architecture</i> (B 6) | 2 " |

OUTLINE OF COURSES

Art A 1. Pictorial Art.

Two hours. Professor E. C. TAYLOR.

Art A 2. Drawing.

Four hours, to count as two hours. Mr. DIEDRICKSEN.

Art B 3. Architecture.

Three hours. Professor MEEKS.

Art B 4. History of Mediæval Architecture.

With or after Art B 3. Two hours. Assistant Professor DAVENPORT.

Art B 5. Painting.

For Seniors, after Art A 2. Four hours, to count as two hours. Professor KENDALL.

Art B 6. History of Renaissance Architecture.

With or after Art B 3. Two hours. Assistant Professor DAVENPORT. [Omitted in 1921-22.]

Art B 7. Sculpture.

For Seniors, after Art A 2. Four hours, to count as two hours. Mr. EBERHARD.

Art B 9. Italian Renaissance Painting and Sculpture.

Two hours. Assistant Professor DAVENPORT.

Art C 10. Advanced Architecture.

With or after Art B 3. Six hours, to count as three hours. Professor MEEKS and Assistant Professor STEVENS.

IV. BIBLICAL LITERATURE AND SEMITIC LANGUAGES

HONORS COURSE†

JUNIOR YEAR. (7 hours.)

- | | |
|--|--------|
| 1. <i>The Founders of Christianity</i> (B 2a), and <i>The World Religions</i> (B 2b) | 2 hrs. |
| 2. <i>Elementary Hebrew</i> (B 11) | 3 " |
| 3. <i>Problems of Hebrew History</i> (H 25) | 2 " |

† For special information, consult Professor KENT.

SENIOR YEAR. (5 or 6 hours.)

1. *The Bible as Literature* (B 3) 2 hrs.
2. *Israel's Social Life and Institutions* (C 15a) and *Social Teachings of the Prophets and Jesus* (C 15b) 2 "
3. { *Methods and Use of Biblical Material in Religious Education* (C 19) 2 "
or *Hebrew Wisdom Literature* (H 27b) 1 hr.

MAJOR AND MINORS

MAJOR. (8 or 9 hours.)

1. *The Founder of Christianity* (B 2a), and *The World Religions* (B 2b) 2 hrs.
2. *The Bible as Literature* (B 3) 2 "
3. *Israel's Social Life and Institutions* (C 15a) and *Social Teachings of the Prophets and Jesus* (C 15b) 2 "
4. { *Elementary Hebrew* (B 11) 3 "
or *Methods and Use of Biblical Material in Religious Education* (C 19) 2 "

MINORS.

Those desiring to specialize in Biblical History and Literature will take their minor in either English or History; those desiring to specialize in Religious Education will take their minor in either Education or Philosophy.

a. IN ENGLISH. (At least 4 hours.)

1. *Shakespeare* (B 7) 3 hrs.
2. *Tennyson and Browning* (B 23) 2 "
3. *Milton* (*C 43b) 1 hr.
4. *The age of Johnson* (B 15b) 1 "

b. IN HISTORY. (4½ hours.)

1. *History of the Ancient World* (B 3) 3 hrs.
2. *The Reformation* (B 16b) 1½ "

c. IN EDUCATION. (At least 3½ hours.)

1. *History and Principles of Education* (*7) 2 hrs.
2. *Educational Psychology (Descriptive)* (*62a and *63) 2 "
3. *Educational Psychology (Quantitative)* (*63) 3 "
4. *Social Psychology* (Psychology B 16) 2 "

d. IN PHILOSOPHY. (6 hours.)

1. *History of Philosophy* (A 2) 3 hrs.
2. *Psychology* (A 4) 3 "

COMBINED COLLEGE AND DIVINITY SCHOOL COURSE

Students who desire to anticipate the first year in the Divinity School may do so by electing part or all of the courses offered in the department of Biblical Literature and by choosing certain courses so designated in the Catalogue of the Divinity School. These courses, with the exceptions noted, can be counted both for the B.A. or Ph.B. and the B.D. degrees provided the student attains a grade of C in each course. At the time of graduation at least

eight of the fifteen hours required of Junior Theological students must have been completed. Undergraduates who desire to anticipate work in the Yale Divinity School or in other Divinity Schools, are advised to consult Professor Kent in arranging their courses.

OUTLINE OF COURSES

Biblical Literature B 2a. The Founders of Christianity.

Two hours first term, to count as one hour. Professor KENT. For Sophomores (if taken outside of the required fifteen hours), Juniors, and Seniors. [Omitted in 1921-22.]

Biblical Literature B 2b. The World Religions.

Two hours second term, to count as one hour. Professor KENT. For Sophomores (if taken outside of the required fifteen hours), Juniors, and Seniors.

Biblical Literature B 3. The Bible as Literature.

Two hours. Dean BROWN and Professor KENT.

Biblical Literature B 11. Elementary Hebrew.

Three hours. Assistant Professor DAHL.

Biblical Literature C 15a. Israel's Social Life and Institutions.

Two hours first term, to count as one hour. Professor KENT. [Omitted in 1921-22.]

Biblical Literature C 15b. Social Teachings of the Prophets and Jesus.

Two hours second term, to count as one hour. Professor KENT.

Biblical Literature C 19. Methods and Use of Biblical Material in Religious Education.

Two hours. Professor Kent and Professor WEIGLE.

Biblical Literature H 25. Problems of Hebrew History.

After Biblical Literature B 2 or B 3. Two hours. Professor KENT. [Omitted in 1921-22.]

Biblical Literature H 27b. Hebrew Wisdom Literature.

After Biblical Literature B 11. Two hours second term, to count as one hour. Professor KENT.

GRADUATE AND DIVINITY COURSES OPEN TO UNDERGRADUATES

Other courses, which belong primarily to the Divinity School or the Graduate School, are open, with the consent of the instructor and the approval of the Dean, to properly qualified undergraduates who wish to anticipate work in the Divinity School or to specialize in Biblical Literature and History, or in Semitic Languages. These courses, described in the Catalogues of the Graduate School and the Divinity School, are as follows:

Advanced Hebrew (2 hrs.), and *Old Testament History and Literature* (3 hrs.) (Assistant Professor DAHL); *Elementary Arabic* (2 hrs.) (Professor TORREY); *Pauline Epistles and Synoptic Gospels* (2 hrs.), and *New Testament Introduction* (1 hr.) (Professor BACON). Each of these courses may count for undergraduates as of B grade.

For *Philosophy of Religion*, see courses in Philosophy.

V. THE BIOLOGICAL SCIENCES

GENERAL BIOLOGY; BOTANY; ZOOLOGY; HUMAN ANATOMY; BACTERIOLOGY AND HYGIENE; AND PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

HONORS COURSE IN ZOOLOGY

PREREQUISITES:

1. *Elementary Physics* (Physics A 1 or A 2).
2. *Elementary General Chemistry* (Chemistry A 1 or A 2).
3. *General Biology* (Biology A 1).

JUNIOR YEAR (6 hours).

- | | |
|---|--------------------|
| 1. <i>Histology</i> (B 11a), with extra work, | to count as 3 hrs. |
| 2. <i>Comparative Anatomy</i> (B 15b), with extra work, | to count as 3 hrs. |

SENIOR YEAR (6 hours).

- | | |
|--|--------------------|
| 1. { <i>General Physiology</i> (C 12a), with extra work, | to count as 3 hrs. |
| { or <i>Biology of the Protozoa</i> (H 20a), | 3 " |
| 2. <i>Embryology</i> (C 13b), with extra work, | to count as 3 hrs. |

MAJORS AND MINORS

PREREQUISITES:

1. *Elementary Physics* (Physics A 1 or A 2).
2. *Elementary General Chemistry* (Chemistry A 1 or A 2).
3. *General Biology* (Biology A 1).

MAJOR I. IN BOTANY.† (7½ hours.)

- | | |
|---|--------|
| 1. <i>Plant Morphology and Anatomy</i> (B 7) | 4 hrs. |
| 2. <i>Local Dendrology</i> (B 6a) or <i>Plant Anatomy</i> (C 8a) | 1½ " |
| 3. <i>Plant Ecology</i> (C 9b) or <i>Physiology of Plants</i> (C 10b) | 2 " |

MINORS.

IN ZOOLOGY. (5½ hours.)

- | | |
|--|--------|
| 1. <i>Histology</i> (B 11a) | 2 hrs. |
| 2. <i>Elementary Entomology</i> (19a) and <i>Field Zoology</i> (18b) | 3½ " |

IN GEOLOGY. (6 hours.)

- | | |
|---|--------|
| 1. <i>Dynamical and Historical Geology</i> (A 1a and b) | 3 hrs. |
| 2. <i>Physiography</i> (C 28) | 3 " |

IN CHEMISTRY. (5 or 6 hours.) Two of the following:

- | | |
|--|--------|
| 1. <i>Qualitative Analysis (Inorganic)</i> (*B 3a) | 1 hrs. |
| 2. <i>Elementary Organic Chemistry</i> (*B 5) | 3 " |
| 3. <i>Elementary Physical Chemistry</i> (*B 9) | 3 " |

MAJOR II. IN ZOOLOGY. (9 hours.)

- | | |
|---------------------------------------|--------|
| 1. <i>Histology</i> (B 11a) | 2 hrs. |
| 2. <i>Comparative Anatomy</i> (B 15b) | 3 " |

† Students intending to enter the Yale School of Forestry are advised to take the major in Botany, and the minor in Zoology.

- | | | | |
|----|---|---|--------|
| 3. | { | <i>General Physiology</i> (C 12a) | 2 hrs. |
| | | or <i>Biology of the Protozoa</i> (H 20a) | 3 " |
| 4. | | <i>Embryology</i> (C 13b) | 2 " |

MINORS.

IN PHYSIOLOGICAL CHEMISTRY AND PHYSIOLOGY. (7 hours.)

- | | | |
|----|--|--------|
| 1. | <i>Physiological Chemistry</i> (*C 31a) | 3 hrs. |
| 2. | <i>Physiology of Nutrition</i> (*C 32b) | 1 hr. |
| 3. | <i>Physical and Nervous Physiology</i> (C 35a) | 3 hrs. |

IN BOTANY. (6 hours.)

- | | | | |
|----|---|-------------------------------------|-----|
| 1. | <i>Plant Morphology and Anatomy</i> (B 7) | 4 hrs. | |
| 2. | { | <i>Physiology of Plants</i> (C 10b) | 2 " |
| | | or <i>Plant Ecology</i> (C 9b) | 2 " |

IN CHEMISTRY. (5 or 6 hours.) Two of the following:

- | | | |
|----|---|--------|
| 1. | <i>Qualitative Analysis (Inorganic)</i> (*B 3a) | 2 hrs. |
| 2. | <i>Elementary Organic Chemistry</i> (*B 5) | 3 " |
| 3. | <i>Elementary Physical Chemistry</i> (*B 9) | 3 " |

IN GEOLOGY. (5 hours.)

- | | | |
|----|--|--------|
| 1. | <i>Dynamical and Historical Geology</i> (A 1a and b) | 3 hrs. |
| 2. | <i>Organic Evolution</i> (B 17) | 2 " |

MAJOR III. IN ANATOMY

Students taking the Combined Collegiate and Medical Course must complete a minor in Chemistry (Courses *B3a, *B5, and *B9) and Biological Sciences B 15b by the end of the Junior year in the College; these courses, together with the first year's work in the School of Medicine as described below, satisfy the major and minor requirements.

COMBINED B.A. AND M.D. COURSE

The preclinical or scientific courses included in the work of the first year in the School of Medicine may be elected by College Seniors, under the requirements described below. No others are counted toward the attainment of the B.A. degree, although other courses in the School of Medicine may be taken by College students outside of the required fifteen hours.

The entire work of the first year in the School of Medicine is thus offered to College undergraduates who desire to anticipate the preclinical studies of a course in Medicine. Such students are enrolled both as College and as Medical students. They attain the B.A. degree with their College class, and, in addition, receive credit for the work of one year in the School of Medicine. They may consequently obtain both the B.A. and the M.D. degrees in seven years.

Students who intend to take the Combined Course must keep this end in view in electing their courses in Freshman, Sophomore, and Junior years in College, in order not to be debarred from the Combined Course because of failure to meet one or other of the entrance requirements of the School of Medicine. In order to meet these requirements, such students may find it

necessary to elect courses in excess of fifteen hours during their first two years in College. Furthermore, they should note that the Combined Course as a whole requires considerably more work before attaining the B.A. degree than is ordinarily required in the College course. No credit toward either the B.A. or the M.D. degree will be given for work below C grade, and to enter the Combined Course the student must have had an average of at least 75 for the two terms preceding the time of making his choice of Medical courses. Only those students who are willing to do this additional work should attempt to cover the first year of the Medical course while undergraduates.

The requirements for admission to the Combined Course are as follows. The student must have completed forty-five hours toward the B.A. degree and *in the two terms preceding the time of making his choice of Medical courses must have maintained a general average grade of at least 75*. He must have passed Elementary General and Organic Chemistry, Elementary Physics, and either Second-Year Physics or Physical Chemistry, and General Biology, and must have a reading knowledge of German. It is advisable also to take courses in Elementary Psychology and in French. Students who have not taken Elementary Psychology may be admitted to the School of Medicine, but will be required to make good this deficiency during their first year.

Students must confer personally with the Dean of the School of Medicine prior to the end of the College Junior year before they can be registered as "combined course students."

† The work of the first year in the School of Medicine includes the following courses in Biology: B 23, Human Anatomy; B 25a, Microscopic Anatomy; C 26a, Embryology; 29a, General Bacteriology; *C 31a, Physiological Chemistry; and *C 32b, Physiology of Nutrition.

LABORATORY FEES

A single fee of \$10 is charged each student for courses taken in the Osborn Memorial Laboratories, including all courses listed below under the headings *General Biology, Botany, and Zoology*.

GENERAL BIOLOGY

Biology A 1. General Biology.

For Sophomores, Juniors, and Seniors. Five hours, to count as three hours. Professor WOODRUFF and Assistant Professors BAITSELL and LAURENS.

BOTANY

Biology B 5b. Field Botany.

Six hours second term, to count as one and a half hours. Mr. A. F. HILL.

Biology B 6a. Local Dendrology.

Six hours first term, to count as one and a half hours. Assistant Professor NICHOLS.

Biology B 7. Plant Morphology and Anatomy.

After Biology A 1. Six hours, to count as four hours. Professor EVANS and Mr. HILL.

† See the Catalogue of the School of Medicine.

Biology C 9b. Plant Ecology.

After Biology A 1 and either B 5b or B 6a. Six hours second term, to count as two hours. Assistant Professor NICHOLS.

Biology C 10b. Physiology of Plants.

After Chemistry A 1 and Biology A 1. Six hours second term, to count as two hours.

ZOOLOGY**Biology B 11a. Histology.**

After Biology A 1. Six hours first term, to count as two hours. Professor COE.

Biology B 15b. Comparative Anatomy.

After Biology A 1 and B 11a, or with the consent of the instructor. Nine hours second term, to count as three hours. Professor PETRUNKEVITCH and Mr. SWINGLE.

Biology C 12a. General Physiology.

After Biology A 1, and B 11a or 15b. Six hours first term, to count as two hours. Assistant Professor LAURENS.

Biology C 13b. Embryology.

After Biology A 1, B 11a, and B 15b, or with the consent of the instructor. Six hours second term, to count as two hours. Assistant Professor BAITSELL.

Biology B 17a. Genetics.

After Biology A 1. Six hours first term, to count as two hours. Professor COE.

Biology 18b. Field Zoology.

With or after Biology A 1. Six hours second term, to count as one and a half hours. Professor PETRUNKEVITCH.

Biology 19a. Elementary Entomology.

After Biology A 1 and 18b. Six hours first term, to count as two hours. Professor PETRUNKEVITCH.

Biology H 20a. Biology of the Protozoa.

For Honors Seniors, after Biology B 11a and B 15b. Six hours first term, to count as three hours. Professor WOODRUFF.

HUMAN ANATOMY**†Biology B 23. Human Anatomy.**

After Biology A 1. Eight hours, to count as four hours. Professor FERRIS, Assistant Professor BURR, and Mr. STONE.

†Biology B 25a. Microscopic Anatomy.

After Biology A 1. Nine hours first term, to count as three hours. Mr. STONE.

†Biology C 26a. Embryology.

Four hours first term, to count as one and a half hours. Assistant Professor BURR.

†Biology C 28a. Central Nervous System.

Three hours first term, to count as one hour. Assistant Professor BURR.

†See the Catalogue of the School of Medicine.

BACTERIOLOGY AND HYGIENE

General Bacteriology. Biology 29a.

After Biology A 1. Six hours first term, to count as two hours. Professor RETTGER.

Biology 30b. Personal and Public Hygiene.

Two hours second term, to count as one hour. Professor WINSLOW.

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

**Biology C 31a. Physiological Chemistry.*

After Chemistry B 5 and Biology A 1. Twelve hours first term, to count as three hours. Professor L. B. MENDEL.

**Biology C 32b. Physiology of Nutrition.*

After Biology A 1. Two hours second term, to count as one hour. Professor L. B. MENDEL.

Biology C 35a. Physical and Nervous Physiology.

After Biology A 1, B 12b, and C 12a. Twelve hours first term, to count as three hours.

GRADUATE COURSES OPEN TO UNDERGRADUATES

The following graduate courses, described in the Catalogue of the Graduate School, are, with the consent of the instructor and the approval of the Dean, open to properly qualified undergraduates and may be counted as C courses: *History of Biology* (Professor WOODRUFF); *Cytology* (Professor COE); *Parasitology* (Professor PETRUNKEVITCH); and *Physiological Chemistry* (Professor MENDEL).

VI. CHEMISTRY

HONORS COURSE†

PREREQUISITES:

1. *Elementary Physics* (Physics A 1 or A 2).
2. *Sopbomore Mathematics* (Mathematics B 5).
3. *Elementary General Chemistry* (Chemistry A 1 or A 2).
4. *Qualitative Analysis* (Chemistry *B 3a).
5. *Elementary Organic Chemistry* (Chemistry *B 5).

JUNIOR YEAR. (5 hours.)

- | | | |
|--|-----------|--------|
| 1. <i>Elementary Physical Chemistry</i> (*B 9) | | 3 hrs. |
| 2. <i>Quantitative Analysis</i> (*C 15b) | | 2 " |

SENIOR YEAR. (8 hours.)

- | | | |
|--|-----------|--------|
| 1. <i>General Inorganic Chemistry</i> (*C 19) | | 3 hrs. |
| 2. An advanced course in <i>Physical, Organic, or Analytical Chemistry</i> . | | |

(See paragraph at the end of the list of Chemistry courses on other courses open to undergraduates.)

MAJOR AND MINORS

PREREQUISITES:

1. *Elementary Physics* (Physics A 1 or A 2).

† Consult Professor BOLTWOOD.

2. *Elementary Mathematics* (Mathematics A 1).
3. *Elementary General Chemistry* (Chemistry A 1 or A 2).
4. *Qualitative Analysis* (Chemistry *B 3a).
5. *Elementary Organic Chemistry* (Chemistry *B 5).

MAJOR. (8 hours.)

1. *Elementary Physical Chemistry* (*B 9) 3 hrs.
2. *Quantitative Analysis* (*C 15b) 2 "
3. *General Inorganic Chemistry* (*C 19) 3 "

MINORS.

IN PHYSICS AND MATHEMATICS. (6 hours.)

1. *Second-Year Physics* (Physics B 3) 3 hrs.
2. *Sophomore Mathematics* (Mathematics B 5) 3 "

IN GEOLOGY. (6 hours.)

1. *Dynamical Geology* (A 1a) and *Historical Geology* (A 1b) . . . 3 hrs.
2. { *Regional and Economic Geology* (B 5) 3 "
- { or *Mineralogy* (B 7) 3 "

IN BIOLOGY. (8 hours.)

1. *General Biology* (A 1) 3 hrs.
2. *General Physiology* (C 12a) 2 "
3. *Physiological Chemistry* (*C 31a) 3 "

LABORATORY FEES

For each laboratory course in chemistry there is a fixed charge which varies in the different courses. These fees are payable in advance to the Bursar and are in addition to the cost of any special supplies and the cost of apparatus broken or returned in an unserviceable condition.

OUTLINE OF COURSES

Chemistry A 1. Elementary General Chemistry.

For all classes. Lectures, recitations, and laboratory work, to count as four hours. Professor BOLTWOOD.

Chemistry A 2. Elementary General Chemistry.

For students who have passed the entrance requirements in Chemistry. Three hours. Professor BOLTWOOD.

**Chemistry B 3a. Qualitative Analysis (Inorganic).*

For Sophomores, Juniors, and Seniors, after Chemistry A 1 or A 2. One hour of classroom and six hours of laboratory work first term, to count as two hours. Assistant Professor BROWNING.

**Chemistry B 5. Elementary Organic Chemistry.*

For Sophomores, Juniors, and Seniors, after Chemistry A 1 or A 2. Two hours of recitations and three hours of laboratory work, to count as three hours. Mr. FISCHER.

**Chemistry B 9. Elementary Physical Chemistry.*

For Sophomores, Juniors, and Seniors, after Chemistry A 1 or A 2, Mathe-

matics A 1 or A 2, and Physics A 1 or A 2. Two hours of classroom and three hours of laboratory work, to count as three hours. Assistant Professors VAN-NAME and SAXTON.

**Chemistry C 15b. Quantitative Analysis.*

After Chemistry B 3a. One hour of classroom and six hours of laboratory work second term, to count as two hours. Professors WELLS and FOOTE.

**Chemistry C 19. General Inorganic Chemistry.*

After Chemistry *B 3a and *B 9. Three hours. Professor FOOTE.

OTHER COURSES OPEN TO UNDERGRADUATES

A number of other courses, described in the Catalogues of the Sheffield Scientific School and the Graduate School, are, with the consent of the Chairman of the Department and the approval of the Dean, open to properly qualified undergraduates and may be counted as C or H courses. These courses cover the subjects of *Advanced Organic Chemistry*, *Advanced Quantitative Analysis*, and *Advanced Physical Chemistry*.

For *Physiological Chemistry*, see courses in Biology.

VII. ECONOMICS

MAJOR AND MINORS

PREREQUISITE: *Elementary Economics* (A 1).

MAJOR. (9 hours.)

1. *Financial History of the United States* (B 3a) 1½ hrs.
2. *Business Economics* (B 5b) 1½ "
3. Hours sufficient to complete the Major (total of 9 hours) from the other courses offered in Economics.

MINORS.

- a. IN HISTORY. (6 hours.)

Prerequisite: *European History* (A 1) or *United States History* (B 2).

The minor is to consist of courses amounting to six hours chosen from the following list:

1. *Comparative Politics* (B 21a) 1½ hrs.
2. *Contemporary History of the United States* (B 28b) 1½ "
3. *American Constitutional History* (C 31a) 1½ "
4. *English Constitutional History to the Present Time* (C 35b) 1½ "
5. *American Politics* (B 21b) 1½ "

- b. IN ANTHROPOLOGY. (6 or 7 hours.)

1. *Anthropology* (A 1) 2 hrs.
2. *Science of Society* (B 3) 2 "
3. One of the following courses:
 - Applied Sociology* (B 5) 3 "
 - American Society* (B 7) 2 "
 - Natural History of Man* (*C 9) 2 "

c. IN MATHEMATICS. (3 hours.)

Prerequisite: *Sophomore Mathematics* (B 5)

- | | |
|---|---------|
| 1. <i>Applied Algebra</i> (B 12a) | 1½ hrs. |
| 2. <i>Elementary Geometry with Applications</i> (B 14b) | 1½ " |

d. IN PSYCHOLOGY. (5 or 6 hours.)

Prerequisite: *Psychology* (A 4).

The minor is to consist of two of the following courses:

- | | |
|--|--------|
| 1. <i>Social Psychology</i> (B 16) | 2 hrs. |
| 2. <i>Applied Psychology</i> (B 17) | 3 " |
| 3. <i>Vocational Psychology</i> (C 25a) | 1½ " |
| and <i>Psychology of Appeal and Response</i> (C 25b) | 1½ " |

GROUP COURSE

Candidates for the B.A. degree who expect to specialize in Social and Political Science may substitute for the major and minor the group course in Social and Political Science given on page 148.

OUTLINE OF COURSES

Economics A 1. Elementary Economics.

For Sophomores, Juniors, and Seniors. Three hours. Professors ADAMS, DAY, BISHOP, and FAIRCHILD; Assistant Professors FURNISS and WESTERFIELD; Mr. BUCK, and Mr. PRICE.

Economics B 3a. Financial History of the United States.

After Economics A 1. Three hours first term, to count as one and a half hours. Professor FAIRCHILD.

Economics B 5b. Business Economics.

After Economics A 1. Three hours second term, to count as one and a half hours. Assistant Professor WESTERFIELD.

Economics C 7b. Economic Organization.

After Economics A 1. Three hours second term, to count as one and a half hours. Professor DAY.

Economics C 8a. Foreign Trade.

After Economics A 1. Three hours first term, to count as one and a half hours. Assistant Professor FURNISS.

Economics C 9b. Public Finance.

After Economics A 1. Three hours second term, to count as one and a half hours. Professor FAIRCHILD.

Economics C 11a. Distributing Systems.

After Economics A 1. Three hours first term, to count as one and a half hours. Assistant Professor WESTERFIELD.

Economics C 13b. Banking.

After Economics A 1. Three hours second term, to count as one and a half hours. Assistant Professor WESTERFIELD.

Economics C 14b. Economic Theory.

After Economics A 1. Three hours second term, to count as one and a half hours. Assistant Professor FURNISS. [Omitted in 1921-22.]

Economics C 15a. Socialism and Social Reform.

After Economics A 1. Three hours first term, to count as one and a half hours. Assistant Professor FURNISS.

Economics C 17b. The Labor Problem.

After Economics A 1. Three hours second term, to count as one and a half hours. Assistant Professor FURNISS.

Economics C 19b. Accounts.

After Economics A 1. Three hours second term, to count as one and a half hours. Assistant Professor SALIERS.

Economics C 21a. Corporations.

After Economics B 3a and B 5b. Three hours first term, to count as one and a half hours. Professor BISHOP.

Economics C 23a. Statistics.

After an Economics B course or with the consent of the instructor. Three hours first term, to count as one and a half hours. Assistant Professor SALIERS.

**Economics C 25b. Price Levels.*

After an Economics B course or with the consent of the instructor. Three hours second term, to count as one and a half hours. Professor FISHER.

**Economics C 27a. Commercial Crises and Their Forecast.*

After an Economics B course or with the consent of the department. Two hours first term, to count as one hour. Mr. PERSONS.

GRADUATE COURSES OPEN TO UNDERGRADUATES

Additional courses of advanced (C) grade designed primarily for graduate students and described in the Catalogue of the Graduate School are open to specially qualified undergraduates. Students desiring to elect one of these courses must secure the approval of the instructor concerned and of the Dean.

For *Philosophy of the State*, see courses in Philosophy. For *Principles of Geography*, see courses in Geology.

VIII. EDUCATION

MINOR

A minor in Education is offered in connection with a major in Biblical Literature.

OUTLINE OF COURSES

**Education 7. History and Principles of Education: an Introductory Course.*

For Seniors. Three hours. Associate Professor COUNTS.

**Education 62a. Educational Psychology (Descriptive).*

Two hours first term, to count as one hour. Associate Professor CHAPMAN.

**Education 63. Educational Psychology (Quantitative).*

Three hours. Associate Professor CHAPMAN.

GRADUATE COURSES OPEN TO UNDERGRADUATES

Mental Hygiene of the School Child (Professor GESELL), *School Administration* (Professor SPAULDING), *Theory of Religious Education* (Professor WEIGLE), and other advanced courses, to which specially qualified undergraduates may be admitted with the consent of the instructor and the approval of the Dean, are described in the Catalogue of the Graduate School.

IX. ENGLISH

HONORS COURSE

A candidate for honors in English must have attained an average of 85 or over in Freshman English and the first term of Sophomore English. He will choose one of the following H courses for Junior year and one for Senior year. The instructor in the course chosen will direct his honors work for that year.

<i>Elizabethan Literature</i> (H 1). Professor BROOKE [Omitted in 1921-22]	2 hrs.
<i>English Literature of the Sixteenth Century</i> (H 2). Assistant Professor BERDAN	2 "
<i>Eighteenth Century Fiction</i> (H 3). Assistant Professor FRENCH	2 "
<i>Contemporary Poetry</i> (H 4). Professor LEWIS	2 "
<i>The English Lyric</i> (H 5). Assistant Professor REED	2 "

In addition to his honors courses the candidate, after consultation with his adviser, will elect B and C courses to the amount of at least four hours in Junior year and four hours in Senior year. By the beginning of his Senior year he must have passed a special examination in required reading, outside of his regular courses, designed to supplement his courses in the general field of English literature. It is recommended that this reading be done during the summer vacation.

MAJOR AND MINORS

PREREQUISITES:

1. *Freshman English* (A 1).
2. *Sophomore English* (B 3).

MAJOR. (At least nine hours.)

1. Three of the following courses, chosen from three different groups:
 - a. *Chaucer and his Century* (B 5) 2 hrs.
 - Old and Middle English* (*C 32) 2 "
 - The English Language* (C 33b) 1½ "
 - English Literature of the Sixteenth Century* (C 37) 2 "
 - b. *Shakespeare* (B 7) 3 "
 - Elizabethan Drama* (B 8) 1½ "
 - Milton* (*C 43b) 1 hr.
 - English Literature of the Seventeenth Century* (*C 44) 1 "
 - c. *The Age of Pope* (B 14) 2 hrs.
 - The Age of Johnson* (B 15) 2 "
 - The Drama since 1660* (B 45) 2 "
 - d. *Nineteenth Century Poets* (B 19) 2 "

<i>Tennyson and Browning</i> (B 23)	2 hrs.
<i>Contemporary Drama</i> (C 47)	2 "
<i>American Literature</i> (B 21)	2 "
<i>English Literature since 1800</i> (B 27a and *C 46b)	3 "

2. Hours (with the above) sufficient to complete a major of at least 9 hours.

These additional courses may be selected from the above groups or from those in the Catalogue not named above. But at least 3 hours of the total 9 must be C courses.

MINORS.

Three hours of C courses in Greek, Latin, German, or Spanish literature; or 6 hours of B, C, or H courses in French literature; or the course in Dante (Italian B 5); or $4\frac{1}{2}$ hours of B or C courses in Philosophy; or $4\frac{1}{2}$ hours of B or C courses in mediæval or modern English or European History.

OUTLINE OF COURSES

English A 1. Freshman English.

Three hours.

English B 3. Sophomore English.

Three hours. Assistant Professor REED, Professor NETTLETON, Professor TINKER, and Assistant Professor ADAMS.

English B 5. Chaucer and his Century.

After English B 3. Two hours. Assistant Professor FRENCH.

English B 7. Shakespeare.

Two hours. Assistant Professor HEMINGWAY.

English B 8. Elizabethan Drama.

Two hours. Assistant Professor BERDAN.

English B 14. The Age of Pope.

For Juniors. Two hours. Assistant Professor BERDAN.

English B 15b. The Age of Johnson.

For Seniors. Two hours second term, to count as one hour. Professor TINKER.

English B 19. English Poets of the Nineteenth Century.

Two hours. Professor LEWIS.

English B 21. American Literature.

Two hours. Professor PHELPS. [Omitted in 1921-22.]

English B 23. Tennyson and Browning.

Two hours. Professor PHELPS.

English B 27a. English Literature since 1800.

Three hours first term, to count as one and a half hours. Assistant Professor WILLIAMS.

English B 29a. Daily Themes.

For Seniors. Three hours first term, to count as one and a half hours. Assistant Professor BERDAN.

English B 30b. Essay Writing.

For Seniors. Two hours second term, to count as one hour. Assistant Professor BERDAN.

*English C 32. *Old and Middle English.*

Two hours. Dr. MENNER.

*English C 33b. *The English Language.*

Three hours second term, to count as one and a half hours. Assistant Professor BROOKE. [Omitted in 1921-22.]

*English C 35. *English Lyrical Poetry.*

For Seniors. Two hours. Assistant Professor REED.

English C 37. *English Literature of the Sixteenth Century.*

For Seniors. Two hours. Assistant Professor BERDAN. [Omitted in 1921-22.]

English C 40b. *The Age of Shakespeare.*

Three hours second term, to count as one and a half hours. Professor BROOKE. [Omitted in 1921-22.]

*English C 43b. *Milton.*

Two hours second term, to count as one hour. Mr. VANSANTVOORD.

*English C 44. *English Literature of the Seventeenth Century.*

One hour. Professor PHELPS.

*English C 45. *English Drama since 1660.*

Two hours. Professor NETTLETON.

English C 46b. *English Literature since 1800.*

Three hours second term, to count as one and a half hours. Assistant Professor ADAMS.

English C 47. *Contemporary Drama.*

Two hours. Professor PHELPS.

*English C 48. *Dramatic Composition.*

Three hours. Assistant Professor CRAWFORD.

*English C 49. *Verse Composition.*

One hour. Professor LEWIS.

X. FRENCH

HONORS COURSE

PREREQUISITE: French B 11.

JUNIOR YEAR (6 hours).

1. *French Literature of the Nineteenth Century* (B 13, with extra work) 3 hrs.
2. *French Literature of the Seventeenth and Eighteenth Centuries* (B 15, with extra work) 3 "

SENIOR YEAR (6 hours).

1. *French Romanticism and Realism* (H 1) 3 hrs.
2. Three hours of Graduate School work 3 "

MAJOR AND MINORS

PREREQUISITE: French A 5.

MAJOR. (9 hours.)

1. *Selected Readings from French Literature* (B 11) 3 hrs.

2. Two of the following:

<i>French Literature of the Nineteenth Century</i> (B 13)	3 hrs.
<i>French Literature of the Seventeenth and Eighteenth Centuries</i> (B 15)	3 "
<i>Contemporary French Literature</i> (*C 17)	3 "
<i>Practice in Writing and Speaking French</i> (*C 19)	3 "

MINORS.

IN LATIN. (3 hours.) One of the following courses:

1. <i>Horace and Lucretius</i> (C 7)	3 hrs.
2. <i>Latin Literature</i> (C 11)	3 "

IN GREEK. (3 hours.) One of the following courses:

1. <i>Homer</i> (C 9)	3 hrs.
2. Any C reading course	3 "

IN ITALIAN. (4 hours.)

1. <i>Italian Literature of the Nineteenth Century</i> (B 3)	2 hrs.
2. <i>Dante</i> (B 5)	2 "

IN SPANISH. (3 hours.)

<i>Composition in Spanish, and Reading of Modern Prose</i> (B 3)	3 hrs.
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IN GERMAN. (3 hours.) One of the following courses:

1. <i>Goethe: Works and Life</i> (C 21)	3 hrs.
2. <i>History of German Literature, 1624-1832</i> (C 23)	3 "
3. <i>German Epic, Ballad, and Lyric Poetry</i> (C 25)	3 "

IN ENGLISH. (5 hours.)

1. <i>Shakespeare</i> (B 7)	2 hrs.
2. { <i>The Age of Pope</i> (B 14).	2 "
{ or <i>English Poets of the Nineteenth Century</i> (B 19)	2 "

IN HISTORY. (4½ hours.)

1. <i>The Renaissance</i> (B 15a)	1½ hrs.
2. <i>The Reformation</i> (B 16b)	1½ "
3. <i>The Growth of the Bourbon Monarchy</i> (B 17b)	1½ "

OUTLINE OF COURSES

French A 1. Elementary French.

For all classes. Three hours. Dr. EDGERLY.

French A 3. Second Year French.

For all classes, after French A 1 or its equivalent. Three hours. Dr. EDGERLY.

French A 5. Advanced French.

For all classes, after French A 3 or its equivalent. Three hours. Professor WARREN, Assistant Professor HILL, and Dr. EDGERLY.

French B 11. Selected Readings from French Literature.

For Sophomores, Juniors, and Seniors, after French A 5, passed with credit. Three hours. Assistant Professor HILL.

French B 13. French Literature of the Nineteenth Century.

After French B 11, passed with credit. Three hours. Mr. MAIRE.

French B 15. French Literature of the Seventeenth and Eighteenth Centuries.

After a French B course, passed with credit. Three hours. Professor WARREN.

***French C 17. Contemporary French Literature.**

After a French B course passed with credit. Three hours. Mr. MAIRE.

***French C 19. Practice in Writing and Speaking French.**

After a French B course. Three hours. Professor CLARKE.

French H 1. French Romanticism and Realism.

Three hours. Professor WARREN.

XI. THE GEOLOGICAL SCIENCES

GEOLOGY; MINERALOGY; PALEONTOLOGY; GEOGRAPHY

HONORS COURSE

The work for honors students in Geology shall consist of twelve hours of which six shall be in honors courses, the remainder in B or C courses. Additional courses in the department may be elected. Students who have special reasons for desiring to substitute some related course in place of those listed below should consult the department. In all cases, Geology B 5, *Regional and Economic Geology*, must be included.

For those beginning Geology in Junior year the following courses constitute the twelve hours of honors work:

1. *Dynamical and Historical Geology* (A 1a and b, with an additional hour) 3 hrs
2. *Regional and Economic Geology* (B 5) 2 "
3. One of the following:
 - Structural Geology* (H 25) 6 "
 - Physiography* (H 29) 6 "

Those who have taken A 1a and b in Sophomore year shall elect in place of them enough of the following courses to make the twelve hours of honors work:

1. *Mineralogy* (B 7) 3 hrs
2. *Organic Evolution* (B 17) 2 "
3. *Structural Geology* (C 24) 3 "
4. *Physiography* (C 28) 3 "
5. Or courses in Geology listed in the Catalogue of the Graduate School.

MAJOR AND MINORS

MAJOR. (8 or 9 hours.)

PREREQUISITE: *Elementary General Chemistry* (Chemistry A 1 or A 2).

1. *Dynamical Geology* (A 1a) 1½ hrs.
2. *Historical Geology* (A 1b) 1½ "

3. *Regional and Economic Geology* (B 5) 3 hrs.
 4. One of the following:
 Mineralogy (B 7) 3 "
 Organic Evolution (B 17) 2 "
 Structural Geology (C 24) 3 "
 Physiography (C 28) 3 "

MINORS.

IN CHEMISTRY AND PHYSICS. (5 or 6 hours.)

1. *Qualitative Analysis* (Chemistry *B 3a)† 2 hrs.
 2. *Elementary Physics* (Physics A 1)‡ 3 "

IN BIOLOGY. (6 hours.)

1. *General Biology* (Biology A 1)§ 3 hrs.
 2. Any other three hour course in the Biological Sciences,
 or *Geological Biology* (Geology B 19) 3 "

GEOLOGY; MINERALOGY; PALEONTOLOGY

Geology A 1a. Dynamical Geology.

For Sophomores, Juniors, and Seniors, with *Geology A 1b*. Three hours first term, with an extra hour of field or laboratory work, to count as one and a half hours. Assistant Professors LONGWELL and BATEMAN, and Associate Professor KNOPF.

Geology A 1b. Historical Geology.

For Sophomores, Juniors, and Seniors, after *Geology A 1a*. Three hours second term, with an extra hour of field or laboratory work, to count as one and a half hours. Assistant Professor BUWALDA.

Geology B 5. Regional and Economic Geology.

After *Geology A 1a* and *A 1b*. Three hours. Assistant Professors BUWALDA and LONGWELL.

Geology B 7. Mineralogy.¶

After Chemistry A 1 or A 2 and with or after *Geology A 1a* and *A 1b*. Five hours, to count as three hours. Assistant Professor FORD.

Geology B 9. Forest Physiography.

Four hours, to count as three hours. Assistant Professor BUWALDA.

Geology B 17. Organic Evolution.

Two hours. Professor LULL.

**Geology B 19. Geological Biology.*

With or after *Geology A 1a* and *b*, and *Geology B 17*. Three hours. Professor LULL and Assistant Professor DUNBAR.

Geology C 24. Structural Geology.

Three hours. Assistant Professor LONGWELL.

† If this course has already been taken, the student will substitute *Quantitative Analysis* (Chemistry *C 15b).

‡ If this course has already been taken, the student will substitute *Second-Year Physics* (Physics B 3).

§ If this course has already been taken, the student will substitute any other course or courses in Biology amounting to three hours.

¶ Sheffield Scientific School course.

Geology C 28. Physiography.

Three hours. Professor GREGORY. [Omitted in 1921-22.]

Geology H 25. Structural Geology.

Six hours. Assistant Professor LONGWELL.

Geology H 29. Physiography.

Six hours. Professor GREGORY. [Omitted in 1921-22.]

GEOGRAPHY

Geology A 2. Human Geography.

Three hours. [Omitted in 1921-22.]

*Geology B 6a. Geography of Europe.*With or after *Geology A 2*. Three hours first term, to count as one and a half hours. [Omitted in 1921-22.]*Geology B 10b. Geography of North America.*With or after *Geology A 2*. Three hours second term, to count as one and a half hours. [Omitted in 1921-22.]

GRADUATE COURSES OPEN TO UNDERGRADUATES

Certain graduate courses, described in the Catalogue of the Graduate School, are, with the consent of the instructor and the approval of the Dean, open to properly qualified undergraduates and may be counted as C or H courses.

XII. GERMAN

HONORS COURSE

MAJOR AND MINORS

PREREQUISITE: Courses A 1 and A 3, or their equivalent.

MAJOR. (9 hours.)

1. One of the following courses:

<i>Advanced German</i> (A 5)	3 hrs.
<i>German Drama</i> (B 11)	3 "
<i>German Composition and Conversation</i> (*B 15)	3 "
<i>German Literature of the Nineteenth Century</i> (B 19)	3 "

2. Two of the following courses:

<i>German Literature of the Present</i> (C 20)	3 hrs.
<i>Goethe: Works and Life</i> (C 21)	3 "
<i>History of German Literature, 1624-1832</i> (C 23)	3 "
<i>German Epic, Ballad, and Lyric Poetry</i> (C 25)	3 "

MINORS.

a. IN ENGLISH. (5 or 6 hours.) Three of the following courses:

1. <i>Shakespeare</i> (B 7)	2 hrs.
2. <i>The Age of Pope</i> (B 14)	2 "
3. <i>The Age of Johnson</i> (B 15b)	1 hr.
4. <i>English Poets of the Nineteenth Century</i> (B 19)	2 hrs.
5. <i>English Literature of the Sixteenth Century</i> (C 37)	2 "

- b. IN FRENCH. (6 hours.) Chosen from the following list, and including a C course:
1. *French Literature of the Nineteenth Century* (B 13) 3 hrs.
 2. *French Literature of the Seventeenth and Eighteenth Centuries* (B 15) 3 "
 3. *Contemporary French Literature* (*C 17) 2 "
- c. IN GREEK. (6 hours.) Any two C courses. •
- d. IN LATIN. (6 hours.) Any two C courses.
- e. IN SPANISH. (6 hours.)
1. *Composition in Spanish, etc.* (B 3) 3 hrs.
 2. *Spanish Fiction* (C 7a). 1½ "
 3. *Spanish Drama* (C 7b). 1½ "

OUTLINE OF COURSES

German A 1. Elementary German.

For all classes. Three hours. Dr. SPAULDING.

German A 3. Intermediate (Second-year) German.

For all classes, after German A 1 or its equivalent: Three hours.

German A 5. Advanced German.

To count as a B course if taken in Sophomore year after German A 3 or its equivalent. For all classes. Three hours.

German B 11. German Drama.

For Sophomores, Juniors, and Seniors, after German A 3 or its equivalent. Three hours. Professor GRUENER.

German B 13. Scientific German.

For Sophomores, Juniors, and Seniors, after German A 3 or its equivalent. Three hours. Assistant Professor FARR.

**German B 15. German Composition and Conversation.*

For Sophomores who have passed German A 5 with credit, Juniors, and Seniors. Three hours. Assistant Professor FARR.

German B 19. German Literature of the Nineteenth Century.

After German A 3 or its equivalent. Three hours. Assistant Professor SCHREIBER.

German C 20. German Literature of the Present.

Three hours. Dr. SPAULDING.

German C 21. Goethe: Works and Life.

Three hours. Professor GRUENER.

German C 23. History of German Literature, 1624-1832.

Three hours. Assistant Professor BENSON.

**German C 25. German Epic, Ballad, and Lyric Poetry.*

Open only to those who have a grade in German of B or above. Three hours. Professor GRUENER.

• • •

Courses in Danish, Norwegian, and Swedish, offered in the Graduate School, are open to qualified undergraduates. Those interested should apply to Professor Gruener.

XIII. GREEK

HONORS COURSE

Candidates for Honors in Greek will be required to complete three honors courses in Junior and Senior years, and in Senior year to do special work equivalent to a fourth course. They must consult Professor Mendell, Chairman of the Classical Department, and in conference with him select for Junior year two of the following courses: Greek C 9, C 12, C 17, C 20, C 21, C 23. In Senior year they will be required to select one further course from this list, and to use the remainder of their time, equivalent to one three-hour course, in accordance with the directions of a special adviser in some field of classical study, such as Homer and the Epic, Greek Tragedy, Herodotus and Thucydides, Plato. Evidence of proficiency in this field of study will be tested by examination or by the submission of papers.

MAJOR AND MINORS

PREREQUISITES:

1. *Plato and Homer* (A 1) or *Homer, Lyric Poets, and Aristophanes* (A 3).
2. *The Athenian Drama* (B 5).

MAJOR. (9 hours.) Three of the following courses (not all to be taken in a single year):

- | | |
|---|--------|
| 1. <i>Homer</i> (C 9) | 3 hrs. |
| 2. <i>The Attic Orators, Plato, and Lucian</i> (C 12) | 3 " |
| 3. <i>Euripides and Theocritus</i> (*C 17). | 3 " |
| 4. <i>The Age of Pericles</i> (C 20). | 3 " |
| 5. <i>Aristophanes</i> (C 21) | 3 " |
| 6. <i>Sophocles</i> (*C 23) | 3 " |

MINORS.

- a. IN LATIN. (3 hours.) Chosen from the following courses:

- | | |
|--|--------|
| 1. <i>Horace and Lucretius</i> (C 7) | 3 hrs. |
| 2. <i>The Letters of Pliny</i> (C 9a) | 1½ " |
| 3. <i>Latin Literature</i> (C 11) | 3 " |
| 4. <i>Character and Reign of Nero</i> (C 12) | 3 " |
| 5. <i>Juvenal and Martial</i> (C 13) | 3 " |

- b. IN CLASSICAL ARCHÆOLOGY. (6 hours.)

- | | |
|--|--------|
| 1. <i>Greek and Roman Sculpture</i> (*C 1) | 3 hrs. |
| 2. <i>Greek Architecture</i> (*C 5) | 3 " |

- c. IN HISTORY. (3 hours.)

- | | |
|---|--------|
| <i>History of the Ancient World</i> (B 3) | 3 hrs. |
|---|--------|

OUTLINE OF COURSES

Greek A o. Elementary Greek.

For Freshman and Sophomores who did not offer Greek for admission. Three hours. Assistant Professor HUBBELL.

Greek A 1. Plato and Homer.

For Freshmen or others who have taken Greek A o, or its equivalent. Three hours. Assistant Professor HUBBELL.

Greek A 3. Homer, Lyric Poets, Theocritus, and Aristophanes.

For men who have taken Homer. Three hours. Professor HARMON.

Greek B 5. The Athenian Drama.

For Sophomores, Juniors, and Seniors, after Greek A 1 or Greek A 3. Three hours. Professor REYNOLDS.

Greek B 7. New Testament Greek.

After Greek A 3. Two hours. Assistant Professor HUBBELL.

Greek C 9. Homer.

After Greek B 5. Three hours. Professor REYNOLDS.

Greek C 12. The Attic Orators, Plato, and Lucian.

After Greek B 5. Three hours. Professor HARMON.

**Greek C 17. Euripides and Theocritus.*

After Greek B 5. Three hours. Professor REYNOLDS. [Omitted in 1921-22.]

Greek C 20. The Age of Pericles.

After Greek B 5. Three hours. Assistant Professor HUBBELL. [Omitted in 1921-22.]

Greek C 21. Aristophanes.

After Greek B 5. Three hours. Assistant Professor HUBBELL. [Omitted in 1921-22.]

**Greek C 23. Sophocles.*

After Greek B 5. Three hours. [Omitted in 1921-22.]

For *Elementary Sanskrit, Comparative Syntax, Phonetics, and Linguistics*, see Graduate School. For *Greek Philosophy*, see also courses in Philosophy. For *History of the Ancient World*, see courses in History.

XIV. HISTORY

HONORS COURSE

Candidates for Honors in History will choose one of the following fields of study, in each of which an equivalent of six hours a year will be required: viz., European History; United States History; Asiatic History; Hispanic-American History.

Candidates who choose to work in the field of European History will advise with Professor Seymour.

Candidates who choose to work in the field of United States History will advise with Professor Johnson.

Candidates who choose to work in Asiatic History will advise with Assistant Professor Williams.

Candidates who choose to work in the history of Hispanic America will advise with Associate Professor Haring.

In all cases during Junior year, a candidate will be required to elect a three-hour course designated by his adviser, and to do special reading equivalent to another three-hour course, in such manner as his adviser may direct.

MAJORS AND MINORS

MAJOR I.

For a major in European History courses aggregating at least nine hours must be chosen in European or English History.

MAJOR II.

For a major in American History courses aggregating at least nine hours must be chosen in United States History or in Hispanic-American History, or in English History. Course B 2, United States History, is a prerequisite.

MAJOR III.

For a major in Ancient and Oriental History courses aggregating nine hours must be taken in Ancient or Oriental History. Course A 1, European History, is a prerequisite.

MINORS.

For a minor to accompany Major I, courses aggregating at least three hours must be taken in American History, or in Ancient and Oriental History, or in Economics, or in Anthropology.

For a minor to accompany Major II, courses aggregating at least three hours must be taken in European History, or in Ancient and Oriental History, or in Economics, or in Anthropology.

For a minor to accompany Major III, courses aggregating at least three hours must be taken in European History, or in American History, or in Anthropology.

A minor in English, or in Philosophy, or in Latin and Greek, must include courses of a historical character, and may be arranged only with the consent of the Committee on Sophomore Class Administration.

OUTLINE OF COURSES

History A 1. European History.

For all classes. Three hours. Assistant Professors ALLISON, GEORGE NEWHALL, and WOODBINE.

History B 2. United States History.

For Sophomores, Juniors, and Seniors. Three hours. Assistant Professor GABRIEL; Mr. MALONE, and Mr. MANNING.

History B 3. History of the Ancient World.

Three hours. Assistant Professor WILLIAMS.

History B 11. Mediæval Asia and the Mohammedan Conquest.

Two hours. Assistant Professor WILLIAMS.

History B 14. The Middle Ages.

After History A 1 or with the consent of the instructor. Three hours. Assistant Professor ALLISON.

History B 15a. The Renaissance.

After History A 1 or with the consent of the instructor. Three hours first term, to count as one and a half hours. [Omitted in 1921-22.]

History B 16b. The Reformation.

After History A 1 or with the consent of the instructor. Three hours second term, to count as one and a half hours. [Omitted in 1921-22.]

History B 17b. The Growth of the Bourbon Monarchy.

After History A 1 or with the consent of the instructor. Three hours second term, to count as one and a half hours. Assistant Professor GEORGE.

History B 18b. The Rise of Prussia from Frederick the Great to Bismarck.

After History A 1 or with the consent of the instructor. Three hours second term, to count as one and a half hours. [Omitted in 1921-22.]

History B 19a. English Political History to the Middle of the Eighteenth Century.

After History A 1 or with the consent of the instructor. Three hours first term, to count as one and a half hours. [Omitted in 1921-22.]

History B 20a. The British Empire from 1750 to the Present.

Three hours first term, to count as one and a half hours. Professor MITCHELL.

History B 21a. Comparative Politics.

Three hours first term, to count as one and a half hours. Professor JOHNSON.

History B 21b. American Politics.

After History B 21a. Three hours second term, to count as one and a half hours. Professor JOHNSON.

History B 24a. Colonial America.

Three hours first term, to count as one and a half hours. [Omitted in 1921-22.]

History B 28b. Contemporary History of the United States.

After History B 2 or with the consent of the instructor. Three hours second term, to count as one and a half hours. Professor FARRAND.

History B 29. History and Culture of Eastern Asia.

Two hours. Assistant Professor WILLIAMS.

History B 30a. Hispanic America: Colonial Era.

Three hours first term, to count as one and a half hours. Associate Professor HARING.

History B 30b. Hispanic America in the Nineteenth and Twentieth Centuries.

Three hours second term, to count as one and a half hours. Associate Professor HARING.

History C 31a. American Constitutional History.

After History B 2 or with the consent of the instructor. Three hours first term, to count as one and a half hours. Professor JOHNSON.

History C 33a. The French Revolution and Napoleon.

After a B course in History or with the consent of the instructor. Three hours first term, to count as one and a half hours. Professor SEYMOUR.

History C 33b. Contemporary Europe.

After a B course in History or with the consent of the instructor. Three hours second term, to count as one and a half hours. Professor SEYMOUR.

History C 35b. English Constitutional History to the Present Time.

Of special value to those who intend to study law. Three hours second term, to count as one and a half hours. Professor MITCHELL.

History C 41. Chinese Culture and Institutions.

Two hours. Assistant Professor WILLIAMS.

GRADUATE COURSES OPEN TO UNDERGRADUATES

With the consent of the department and of the Dean, properly qualified undergraduates may be admitted to such graduate courses as may be approved by the Dean of the Graduate School.

For *Philosophy of the State* and *History of Philosophy*, see courses in Philosophy. For *History of Education*, see courses in Education. For *Immigration*, see courses in Anthropology. For *Financial and Economic History*, see courses in Economics.

XV. ITALIAN

MINORS

Minors in Italian are offered in connection with majors in French and in English.

OUTLINE OF COURSES

Italian A 1. Elementary Italian.

For Sophomores,† Juniors, and Seniors. Three hours. Mr. GRIMM.

Italian B 3. Italian Literature of the Nineteenth Century.

After Italian A 1. Two hours. Mr. GRIMM.

Italian B 5. Dante.

After Italian B 3. Two hours. Professor LANG.

XVI. LATIN

HONORS COURSE

Candidates for Honors in Latin will be required to complete three honors courses in Junior and Senior years and in Senior year to do special work equivalent to a fourth course. They must consult Professor Mendell, the Chairman of the Classical Department, and in conference with him select for Junior year two of the following courses: Latin C 7, C 9, C 11, C 12, C 13. In Senior year they will be required to select one further course from this list, and to use the remainder of their time, equivalent to one three-hour course, in accordance with the directions of a special adviser in some field of classical study, such as Roman Comedy, the Life and Correspondence of Cicero, the Literature of the Silver Age. Evidence of proficiency in this field of study will be tested by examination or by the submission of papers.

MAJORS AND MINORS

PREREQUISITES:

I. FOR MAJOR I.

1. *Plautus, Catullus, Cicero, and Horace* (A 1).
2. *Tacitus, Horace, and Catullus* (B 3).

† Open to Sophomores of grade 75 or better in Freshman-year standing.

II. FOR MAJOR II.

1. *Plautus, Catullus, Cicero, and Horace* (A 1).
2. *Tacitus, Horace, and Catullus* (B 3).
3. { *Elementary Greek* (Greek A 0)
or *Plato and Homer* (Greek A 1)
or *Homer, Lyric Poets, Theocritus, and Aristophanes* (Greek A 3).

MAJOR I. (9 hours.) Selection from the following courses (not all to be taken in a single year):

- | | |
|--|--------|
| 1. <i>Horace and Lucretius</i> (C 7) | 3 hrs. |
| 2. <i>The Letters of Pliny</i> (C 9a) | 1½ " |
| 3. <i>Latin Literature</i> (C 11) | 3 " |
| 4. <i>Character and Reign of Nero</i> (C 12) | 3 " |
| 5. <i>Juvenal and Martial</i> (C 13) | 3 " |
| 6. <i>Roman Law</i> (C 14) | 3 " |

NOTE: This major is intended for students who wish to continue the study of Latin Literature.

MAJOR II. (9 hours.) (Not all to be taken in a single year.)

1. *Latin Reading and Writing* (C 15b)
2. Selection from the six courses in Major I

NOTE: This major is intended for students who expect to teach Latin.

MINORS.

a. IN GREEK. (3 hours.) One of the following courses:

- | | |
|---|--------|
| 1. <i>Homer</i> (C 9) | 3 hrs. |
| 2. <i>The Attic Orators, Plato, and Lucian</i> (C 12) | 3 " |
| 3. <i>Euripides and Theocritus</i> (*C 17) | 3 " |
| 4. <i>The Age of Pericles</i> (C 20) | 3 " |
| 5. <i>Aristophanes</i> (C 21) | 3 " |
| 6. <i>Sophocles</i> (*C 23) | 3 " |

b. IN CLASSICAL ARCHÆOLOGY. (3 hours.) One of the following courses:

- | | |
|--|--------|
| 1. <i>Greek and Roman Sculpture</i> (*C 1) | 3 hrs. |
| 2. <i>Greek Architecture</i> (*C 5) | 3 " |
| 3. <i>Roman and Etruscan Art</i> (*C 7) | 3 " |

c. IN HISTORY. (3 hours.)

- | | |
|---|--------|
| <i>History of the Ancient World</i> (B 3) | 3 hrs. |
|---|--------|

OUTLINE OF COURSES

Latin A 1. Plautus, Catullus, Cicero, and Horace.

For all classes. Three hours. Professor MENDELL, Drs. HARWOOD and WHITEHEAD, and Mr. BELLINGER.

Latin B 3. Tacitus, Horace, and Catullus.

For Sophomores, Juniors, and Seniors, after Latin A 1. Three hours. Professor HENDRICKSON and Dr. HARWOOD.

Latin C 7. Horace and Lucretius.

After Latin B 3. Three hours. Professor HENDRICKSON. [Omitted in 1921-22.]

Latin C 9a. *The Letters of Pliny.*

After Latin B 3. Three hours first term, to count as one and a half hours.

Latin C 11. *Latin Literature.*

After Latin B 3. Three hours. Professor MENDELL.

Latin C 12. *Character and Reign of Nero.*

After Latin B 3. Three hours. Professor MENDELL. [Omitted in 1921-22.]

Latin C 13. *Juvenal and Martial.*

After Latin B 3. Three hours. Professor MENDELL.

Latin C 14. *Roman Law.*

Three hours. Assistant Professor WOODBINE.

Latin C 15b. *Latin Reading and Writing.*

After Latin B 3. Three hours second term, to count as one and a half hours.
Mr. WHITEHEAD.

GRADUATE COURSES OPEN TO UNDERGRADUATES

A few Seniors who have done superior work in Latin may, with the consent of the instructor and the approval of the Latin Professors and the Dean, be received into certain graduate courses and count them as C courses in Latin. These courses are described in the Catalogue of the Graduate School.

For *Elementary Sanskrit, Comparative Syntax, Phonetics, and Linguistics*, see the Catalogue of the Graduate School. For *History of the Ancient World*, see courses in History.

XVII. LAW

MAJOR AND MINORS

MAJOR. (10 hours.) Chosen from Courses 2-13 inclusive, all to be taken in Senior year.

MINORS.

a. IN PHILOSOPHY. (6 hours.)

PREREQUISITE: *Logic* (A 1a or 1b).

Two of the following courses:

- | | |
|--|--------|
| 1. <i>History of Philosophy</i> (A 2) | 3 hrs. |
| 2. <i>Ethics</i> (B 5) | 3 " |
| 3. <i>Philosophy of the State</i> (B 18) | 3 " |

b. IN HISTORY. (4 hours.)

PREREQUISITE: *European History* (A 1) or *History of the United States* (B 2).

- | | |
|--|---------|
| 1. <i>Comparative Politics</i> (B 21a) | 1½ hrs. |
| 2. <i>American Politics</i> (B 21b) | 1½ " |
| 3. <i>American Constitutional History</i> (C 31a) | 1½ " |
| 4. <i>Contemporary History of the United States</i> (B 28b) | 1½ " |
| 5. <i>English Constitutional History to the Present Time</i> (C 35b) | 1½ " |

c. IN ANTHROPOLOGY. (4 hours.)

Two of the following courses:

- | | |
|--|--------|
| 1. <i>Anthropology</i> (A 1) | 2 hrs. |
| 2. <i>Science of Society</i> (B 3) | 2 " |
| 3. <i>American Society</i> (B 7) or <i>Natural History of Man</i> (*C 9) | 2 " |

d. IN ECONOMICS. (4 hours.)

PREREQUISITE: *Elementary Economics* (A 1).

- | | |
|---|---------|
| 1. <i>Business Economics</i> (B 5b) | 1½ hrs. |
| 2. <i>Financial History of the United States</i> (B 3a) | 1½ " |
| 3. <i>Price Levels</i> (*C 25b) | 1½ " |
| 4. <i>Banking</i> (C 13b) | 1½ " |
| 5. <i>Socialism and Social Reform</i> (C 15a) | 1½ " |
| 6. <i>Economic Organization</i> (C 7b) | 1½ " |
| 7. <i>Corporation Management and Finance</i> (C 21a) | 1½ " |
| 8. <i>Accounts</i> (C 19b) | 1½ " |

e. IN PSYCHOLOGY. (5 or 6 hours.)

- | | |
|--|---------|
| 1. <i>Psychology of Instinct and Emotion</i> (B 12a) | 1½ hrs. |
| 2. <i>Dynamic Psychology</i> (B 12b) | 1½ " |
| 3. <i>Social Psychology</i> (B 16) | 2 " |
| 4. <i>Applied Psychology</i> (B 17) | 3 " |

COMBINED COLLEGE AND LAW COURSE

Students in Yale College (except students entering at the beginning of Senior year) may so combine their work in College with the work of the School of Law as to obtain the B.A. or Ph.B. degree and the LL.B. degree in a total of six years. To do this they must elect in their Senior year not less than ten hours per week of classroom work in the School of Law, such work counting both toward the degree in Arts and toward the degree in Law. They may elect additional law courses if they have completed more than forty-five hours of college courses prior to Senior year. Such additional work may not exceed the number of college hours accumulated in excess of the required forty-five and such additional law courses will count toward the LL.B. degree alone. No college student may occupy a room in a college dormitory unless he takes at least one course, extending over the entire year, in the College.

College students must elect not less than ten hours from courses 2b-13, of which course 3a must be included in their election, and courses 5, 9b, and 13 are especially recommended. They may elect 9b only in case they are also taking 5, 11, and 13. Permission to elect courses 2b or 7a in substitution for one of the recommended courses must be obtained from the Dean of the School of Law.

Students who have taken courses 7a and 11 during the summer session should elect in lieu thereof Property II or Persons (described in the Catalogue of the School of Law).

OUTLINE OF COURSES

Law 1a. Federal Constitutional Law.

For Seniors.† Three hours first term, to count as one and a half hours.
Professor TAFT.

Law 2b. Agency.

For Seniors. Three hours second term, to count as one and a half hours.
Professor MORGAN.

Law 3a. Introductory Course.

For Seniors. Two hours first term, to count as one half hour. Professor
BORCHARD.

Law 5. Contracts.

For Seniors. Three and a half hours. Professor CORBIN.

Law 7a. Criminal Law.

For Seniors. Three hours first term, to count as one and a half hours. Pro-
fessor SWAN.

Law 9b. Equity I.

For Seniors. Two hours second term, to count as one hour. Assistant Pro-
fessor ARANT.

Law 11. Property I.

For Seniors. Two hours. Professor VANCE.

Law 13. Torts.

For Seniors. Three hours. Professor THURSTON.

XVIII. MATHEMATICS

HONORS COURSE‡

PREREQUISITES:

1. *An A course in Mathematics.*
2. *Sophomore Mathematics (B 5).*

JUNIOR AND SENIOR YEARS. (6 hours each year.)

The order of taking the four following courses is optional. A graduate course may be substituted by permission for any of the courses.

- | | |
|---|--------|
| 1. <i>Advanced Calculus</i> (*C 15) | 3 hrs. |
| 2. <i>Mechanics</i> (*C 17) | 3 " |
| 3. <i>Theory of Functions of a Complex Variable</i> (*C 20) | 3 " |
| 4. <i>Projective and Differential Geometry</i> (*C 22) | 3 " |

MAJOR AND MINOR

PREREQUISITES:

1. *An A course in Mathematics.*
2. *Sophomore Mathematics (B 5).*
3. *Elementary Physics (A 1 or A 2).*

† The combination of this course with other courses in law is not required. This course will count toward the B.A. degree, but not toward the LL.B.

‡ For general information consult Professor BROWN.

MAJOR. (9 hours.)

Three of the following courses. Those expecting to continue Mathematics in the Graduate School should take *C 15. A graduate course may, by permission, be substituted for any of the courses.

1. *Advanced Calculus* (*C 15) 3 hrs.
2. *Mechanics* (*C 17) 3 "
3. *Theory of Functions of a Complex Variable* (*C 20) 3 "
4. *Projective and Differential Geometry* (*C 22) 3 "

MINOR. IN PHYSICS. (3 hours.)

Second-Year Physics (B 3)† 3 hrs.

OUTLINE OF COURSES

Mathematics A 1. Elementary Mathematics.

For Sophomores, Juniors, and Seniors. Three hours. Assistant Professors WILSON and TRACEY.

Mathematics B 5. Sophomore Mathematics.

For Sophomores, Juniors, and Seniors, after Mathematics A 1. Three hours. Professor PIERPONT.

Mathematics B 12a. Applied Algebra.

After Mathematics A 1. Three hours first term, to count as one and a half hours. Assistant Professor WILSON.

Mathematics B 14b. Elementary Geometry with Applications.

After Mathematics A 1. Three hours second term, to count as one and a half hours. Assistant Professor TRACEY.

**Mathematics C 15. Advanced Calculus.*

After Mathematics B 5. Three hours. Assistant Professor MILES.

**Mathematics C 17. Mechanics.*

After Mathematics B 5. Three hours. Professor BROWN.

**Mathematics C 20. Theory of Functions of a Complex Variable.*

After Mathematics B 5. Three hours. Professor PIERPONT.

**Mathematics C 22. Projective and Differential Geometry.*

After Mathematics B 5. Three hours. Professor PIERPONT.

GRADUATE COURSES OPEN TO UNDERGRADUATES

Properly qualified undergraduates may, with the approval of the department and of the Dean, be admitted to certain graduate courses. Among these is *Teachers' Course in Mathematics*. (2 hrs.) Mr. MIKESH.

† If this course has already been taken, the student will substitute Physics C 5, Introduction to Theoretical Physics.

XIX. MILITARY SCIENCE AND RELATED SUBJECTS

COURSES OF INSTRUCTION IN THE RESERVE OFFICERS' TRAINING CORPS

The courses in Military Science are prescribed by the War Department as the course of study for college Field Artillery units in the Reserve Officers' Training Corps. Instruction in all courses is given by U. S. Army officers. The successful completion of these courses, with attendance at one summer camp of approximately six weeks' duration, qualifies the student upon graduation from college for a commission as Second Lieutenant, F.A.R.C., U. S. A.

In addition to the theoretical courses, for which alone academic credit is given, and the work at the summer camp, each student is required to take equitation or physical training throughout the academic year, except that a student engaged in college athletics may be excused from the regular classes in physical training during the season when he is actually engaged in such athletics. No drills or military formations, other than that which may be necessary in connection with the physical training and illustration of theoretical work, will be required during the academic year.

Camps will be held at the end of each year, to which students may go if they desire. Students under twenty-one at the date of graduation must attend one camp after graduation before receiving reserve commissions. Students who complete the first two years (basic course), and who sign a certificate that they will complete the last two years (advanced course), and the camp between the third (Junior) and the fourth (Senior) years' course, are entitled to commutation of rations for the last two years at college (approximately \$15 per month).

Uniforms for equitation, textbooks, all necessary equipment, and the material for horsed and motorized batteries, are furnished without expense for the use of R.O.T.C. students.

MAJOR AND MINORS

PREREQUISITES:

1. *Field Artillery Matériel and Drill Regulations* (A 3a)
2. *Field Artillery Topography* (A 3b)

MAJOR. (8 hours.)

- | | |
|---|--------|
| 1. <i>Field Artillery Gunnery and Firing</i> (B 5) | 2 hrs. |
| 2. <i>Motors and Motor Transportation</i> (B 6a) | 1 hr. |
| 3. <i>Field Artillery Tactics and Organization</i> (B 6b) | 1 " |
| 4. <i>Military History and Policy</i> (C 7) | 2 hrs. |
| 5. <i>Tactics and Map Manœuvres</i> (C 8a) | 1 hr. |
| 6. <i>Military Law</i> (C 8b) | 1 " |

MINORS.

IN MATHEMATICS AND SCIENCE. (4 hours.) Not less than four hours in Chemistry, Mathematics, and Physics.

IN ECONOMICS. (4½ hours.) Courses to be chosen from the following list:

- | | |
|---|--------|
| 1. <i>Elementary Economics</i> (A 1) | 3 hrs. |
| 2. <i>Financial History of the United States</i> (B 3a) | 1½ " |

- | | |
|--|---------|
| 3. <i>Business Economics</i> (B 5b) | 1½ hrs. |
| 4. <i>Economic Organization</i> (C 7b) | 1½ " |
| 5. <i>Foreign Trade</i> (C 8a) | 1½ " |
| 6. <i>Public Finance</i> (C 9b) | 1½ " |

IN AMERICAN HISTORY. (4½ hours.) Courses of B or C grade in American History.

IN GENERAL HISTORY. (4½ hours.) Courses of B or C grade in General History.

IN PSYCHOLOGY. (5 or 6 hours.)

- | | |
|--|--------|
| 1. <i>Psychology</i> (A 4) | 3 hrs. |
| 2. <i>Experimental Psychology</i> (B 11) | 3 " |
| 3. <i>Social Psychology</i> (B 16) | 2 " |

OUTLINE OF COURSES

Military Science A 1. Introductory Course.

For Freshmen. One hour.

Military Science A 3a. Field Artillery Materiel and Drill Regulations.

For Sophomores. Three hours first term, to count as one and a half hours.

Military Science A 3b. Field Artillery Topography and Reconnaissance.

For Sophomores. Three hours second term, to count as one and a half hours

Military Science B 5. Field Artillery Gunnery and Firing.

For Juniors. Two hours.

Military Science B 6a. Field Artillery Motors and Motor Transportation.

For Juniors. Two hours first term, to count as one hour.

Military Science B 6b. Field Artillery Tactics and Organization.

For Juniors. Two hours second term, to count as one hour.

Military Science C 7. Military History and Policy of the United States.

For Seniors. Two hours.

Military Science C 8a. Minor Tactics and Map Manœuvres.

For Seniors. Two hours first term, to count as one hour.

Military Science C 8b. Military Law.

For Seniors. Two hours second term, to count as one hour.

XX. MUSIC

Music 1. Development of Music through Beethoven.

Two hours. Mr. SIMONDS.

Music 2. Progress of Music since Beethoven.

Two hours. After Music 1. Mr. SIMONDS.

Music 3. Practical Music.

One hour. Professor JEPSON, Assistant Professors KNIGHT and TROOST-WYK, Mr. BOZYAN, Mr. GRUMMAN, Mr. HAGUE, Mr. PEASE, and Mr. ROGERS.

COURSES IN THE SCHOOL OF MUSIC OPEN TO UNDERGRADUATES

Properly qualified College students may, with the consent of the instructor and the approval of the Dean, be admitted to the following courses in the theory of music and count them toward the B.A. degree: *Harmony* and

Counterpoint. (Mr. BAUMGARTNER); *Strict Composition, Elementary Composition, Composition in the Sonata Form, Advanced Composition and Conducting, and Advanced Orchestration* (Professor SMITH); *Instrumentation* (Mr. HAESCHE); and *Dramatic Music* (Mr. SIMONDS). These courses are described in the Catalogue of the School of Music.

XXI. PHILOSOPHY AND PSYCHOLOGY

HONORS COURSE†

PREREQUISITE: *Psychology* (A 4).

JUNIOR YEAR. (6 hours.)

1. *History of Philosophy* (A 2). Honors division 3 hrs.
 2. *Ethics* (B 5). Honors division 3 "
- Students intending to take *Psychology* (H 1) in Senior year must substitute for *Ethics* the following course:
3. *Experimental Psychology* (B 11). Individual laboratory work . . . 3 "

SENIOR YEAR. (6 hours.) One of the following courses:

1. *Psychology* (H 1) 6 hrs.
2. *History of Philosophy (Special Period)* (H 2) 6 "
3. *Practical Philosophy* (H 3) 6 "
4. *Problems of General Philosophy* (H 4) 6 "

MAJORS AND MINORS

MAJOR I. IN PHILOSOPHY. (7, 8, or 9 hours.) To be chosen from courses of B grade in Philosophy.

PREREQUISITE OR ACCOMPANYING: *History of Philosophy* (A 2).

MINORS. Any one of the following:

IN PSYCHOLOGY. PREREQUISITE: *Psychology* (A 4). At least three and a half hours chosen from the B or C courses.

IN HISTORY. At least three and a half hours chosen from the B and C courses in European and American History.

IN LITERATURE. At least three and a half hours chosen from the B and C courses in English, in French, or the course in Goethe (German C 21).

IN ANTHROPOLOGY. Two of the following: *Anthropology* A 1, B 3, or B 5; *Economics* C 15a; *Geology* B 17.

MAJOR II. PSYCHOLOGY. (9 hours.)

PREREQUISITE: *Psychology* (A 4).

1. *Experimental Psychology* (B 11) 3 hrs.
2. Three or more hours chosen from the following courses:
 - Psychology of Instinct and Emotion* (B 12b) 1½ "
 - Dynamic Psychology* (B 12b) 1½ "
 - Social Psychology* (B 16) 2 "
 - Applied Psychology* (B 17) 3 "
3. *Advanced Laboratory Course in Psychology* (C 19) 3 "

† For special information consult Professor BAKWELL.

MINORS. Any one of the following:

IN ANTHROPOLOGY. At least four hours chosen from the courses in Anthropology.

IN BIOLOGY. At least four hours chosen from the B and C courses in Biology. (*Geology B 17, Organic Evolution*, may be included.)

IN ECONOMICS. At least four and a half hours chosen from the B and C courses in Economics.

IN EDUCATION. At least three and a half hours chosen from the courses in Education.

IN PHILOSOPHY. At least five hours chosen from the B courses in Philosophy. (*Philosophy A 2, History of Philosophy*, may be included.)

COURSES IN PHILOSOPHY

Philosophy A 1a. Logic.

For Sophomores,† Juniors, and Seniors. Three hours first term, to count as one and a half hours. Professors DUNCAN and SHELDON.

Philosophy A 1b. Logic.

See statement under A 1a, and footnote. Not after A 1a. Three hours second term, to count as one and a half hours. Professors DUNCAN and SHELDON.

Philosophy A 2. History of Philosophy.

For Sophomores, Juniors, and Seniors. Three hours. Professor BAKEWELL and Assistant Professor BENNETT.

Philosophy A 3b. Elements of Philosophy.

Three hours second term, to count as one and a half hours. Professor DUNCAN.

Philosophy B 5. Ethics: Introductory Course.

Three hours. Assistant Professor BENNETT.

Philosophy B 6a. Modern Philosophical Systems.

Three hours first term, to count as one and a half hours. Professor DUNCAN.

Philosophy B 9. Modern Idealism.

After Philosophy A 2. Two hours. Professor BAKEWELL. [Omitted in 1921-22.]

Philosophy B 14. The Philosophy of Religion.

Two hours. Assistant Professor BENNETT.

Philosophy B 15. The Philosophy of Nature.

Three hours. Professor SHELDON. [Omitted in 1921-22.]

Philosophy B 17. Platonic Idealism.

Two hours. Professor BAKEWELL.

Philosophy B 18. Philosophy of the State.

After Philosophy A 2 or A 4. Three hours. Professor SHELDON.

Philosophy H 2. History of Philosophy—Special Period.

For Honors Seniors. To count as six hours. Professor BAKEWELL.

† Sophomores are permitted to elect this course only in addition to the regular fifteen hours.

Philosophy H 3. Practical Philosophy.

For Honors Seniors. To count as six hours. Professor SHELTON and Assistant Professor BENNETT.

Philosophy H 4. Problems of General Philosophy.

For Honors Seniors. To count as six hours. Professors DUNCAN and SHELTON.

COURSES IN PSYCHOLOGY

Psychology A 4.

For Sophomores, Juniors, and Seniors. Three hours. Professor ANGIER. Assistant Professor ANDERSON, Dr. BAGBY, Mr. DEWEERDT, and Mr. ROGERS.

Psychology B 11. Experimental Psychology.

After Psychology A 4. Three hours. Mr. ROGERS.

Psychology B 12a. Psychology of Instinct and Emotion.

After Psychology A 4. Three hours first term, to count as one and a half hours. Dr. BAGBY.

Psychology B 12b. Dynamic Psychology.

After Psychology A 4. Three hours second term, to count as one and a half hours. Assistant Professor ANDERSON.

Psychology B 16. Social Psychology.

After Psychology A 4. Two hours. Dr. BAGBY.

Psychology B 18. Applied Psychology.

After or with Psychology B 11. Three hours. Mr. ROGERS.

Psychology C 19. Advanced Laboratory Course in Psychology.

After Psychology B 11. One recitation hour and four laboratory hours to count as three hours. Assistant Professor ANDERSON.

Psychology C 25a. Vocational Psychology.

After or with Psychology B 11. Four hours, first term, to count as one and a half hours. Mr. ROGERS.

Psychology C 25b. The Psychology of Appeal and Response.

After or with Psychology B 11. Four hours, second term, to count as one and a half hours. Mr. ROGERS.

Psychology H 1. Psychology.

For Seniors. To count as six hours. Professor ANGIER and Assistant Professor ANDERSON.

GRADUATE COURSES OPEN TO UNDERGRADUATES

Properly qualified Seniors may, with the consent of the instructor and the approval of the Dean, be admitted to the following graduate courses and count them as C courses in Philosophy: *Problems and Methods of Philosophy* and *The Philosophy of Aristotle* (Professor BAKEWELL); *Epistemology, Metaphysics and Principles of Logic* (Professor DUNCAN); *Metaphysics* (Professor SHELTON); *Physiological Psychology* (Assistant Professor ANDERSON); and *Seminary in the Philosophy of Religion* (Assistant Professor BENNETT). These courses are described in the Catalogue of the Graduate School.

For courses in Plato, see also group XIII.

For courses in Educational Psychology, see group VIII.

XXII. PHYSICS

HONORS COURSE†

PREREQUISITES: Physics A 1 or A 2 and B 3; Mathematics B 5.

JUNIOR YEAR. (6 hours.)

- | | |
|---|--------|
| 1. <i>Introduction to Theoretical Physics</i> (C 5) | 3 hrs. |
| 2. <i>Junior Honors Physics</i> (H 1) | 3 " |

SENIOR YEAR. (6 hours.)

- | | |
|---|--------|
| 1. <i>Advanced Laboratory Physics</i> (C 7 with extra work) | 4 hrs. |
| 2. <i>Special Problems in Experimental Physics</i> (H 2) | 2 " |

MAJOR AND MINORS

PREREQUISITES:

1. *Elementary Physics* (A 1 or A 2).
2. *Second-Year Physics* (B 3).
3. *Elementary Mathematics* (A 1).

MAJOR. (6 hours.)

- | | |
|---|--------|
| 1. <i>Introduction to Theoretical Physics</i> (C 5) | 3 hrs. |
| 2. <i>Advanced Laboratory Physics</i> (C 7) | 3 " |

MINORS.

a. IN MATHEMATICS. (6 hours.)

- | | |
|---|--------|
| 1. <i>Sophomore Mathematics</i> (B 5) | 3 hrs. |
| 2. { <i>Advanced Calculus</i> (*C 15) | 3 " |
| { or <i>Mechanics</i> (*C 17) | 3 " |

b. IN CHEMISTRY. (6 hours.)

- | | |
|---|--------|
| 1. <i>Elementary Physical Chemistry</i> (*B 9) | 3 hrs. |
| 2. { <i>Elementary Organic Chemistry</i> (*B 5) | 3 " |
| { or <i>General Inorganic Chemistry</i> (*C 19) | 3 " |

OUTLINE OF COURSES

Physics A 1. Elementary Physics.

For all students who have not passed Physics for admission to college. One lecture, three recitations, and one laboratory period, to count as four hours. Assistant Professor PATTERSON and Dr. WATERMAN.

Physics A 2. Elementary Physics.

For those who have passed the entrance requirements in Physics. Three hours. Associate Professor KREIDER.

Physics B 3. Second-Year Physics.

For Sophomores, Juniors, and Seniors, after Physics A 1 or A 2. Three hours. Assistant Professor PATTERSON.

Physics C 5. Introduction to Theoretical Physics.

After Physics B 3 and Mathematics B 5. Three hours. Assistant Professor UHLER.

† Consult Professor UHLER.

Physics C 7. Advanced Laboratory Physics.

With or after Physics C 5. Six hours, to count as three hours. Assistant Professor UHLER.

Physics H 1. Junior Honors Physics.

For Honors Juniors. Three hours. Assistant Professor UHLER.

Physics H 2. Special Problems in Experimental Physics.

For Honors Seniors. Two hours. Assistant Professor UHLER.

XXIII. RUSSIAN

Russian A 1. Elementary Russian.

Three hours. Mr. MANDELL.

Russian B 1. Second-Year Russian.

After Russian A 1, or its equivalent. Three hours. Mr. MANDELL.

XXIV. SPANISH

MINORS

Minors in Spanish are offered in connection with majors in French, in German, and in English.

OUTLINE OF COURSES

Spanish A 1. Elementary Spanish.

Open to all classes. Three hours. Professor LANG, Assistant Professors CORLEY and ROSE.

Spanish B 3. Composition in Spanish, and Reading of Modern Prose.

For Sophomores, Juniors, and Seniors, after Spanish A 1. Three hours. Assistant Professors CORLEY and ROSE.

Spanish C 5. Advanced Composition and Conversation.

Three hours. Assistant Professor CORLEY.

† *Spanish C 7a. Spanish Fiction of the Sixteenth and Seventeenth Centuries.*

Open to those only who have passed Spanish B 3 with a grade of 80. Three hours first term, to count as one and a half hours. Assistant Professor ROSE.

† *Spanish C 7b. Spanish Drama of the Sixteenth and Seventeenth Centuries.*

Open to those only who have passed Spanish B 3 with a grade of 80. Three hours second term, to count as one and a half hours. Assistant Professor ROSE.

† These courses are strictly literary courses which in no way duplicate the work done in Spanish C 5.

SHEFFIELD SCIENTIFIC SCHOOL

FACULTY†

ADMINISTRATIVE OFFICERS

ARTHUR TWINING HADLEY, PH.D., LL.D., President.
JAMES ROWLAND ANGELL, LITT.D., President-elect.
RUSSELL HENRY CHITTENDEN, PH.D., LL.D., Sc.D., Director.
LOOMIS HAVEMEYER, PH.D., Registrar.

PROFESSORS

CHARLES SHELDON HASTINGS, PH.D., Professor of Physics, Emeritus.
WILLIAM GILBERT MIXTER, M.A., Professor of Chemistry, Emeritus.
SIDNEY IRVING SMITH, M.A., Professor of Comparative Anatomy, Emeritus.
ADDISON EMERY VERRILL, M.A., Professor of Zoology, Emeritus.

THOMAS SEWALL ADAMS, PH.D., Professor of Political Economy.
AVARD LONGLEY BISHOP, PH.D., Professor of Geography and Commerce.
LESTER PAIGE BRECKENRIDGE, ENG.D., Higgin Professor of Mechanical Engineering.
RUSSELL HENRY CHITTENDEN, PH.D., LL.D., Sc.D., Professor of Physiological Chemistry.
CHARLES CAMERON CLARKE, M.A., Professor of French.
WESLEY ROSWELL COE, PH.D., Professor of Biology, and Curator of the Zoological Collection.
ROBERT NELSON CORWIN, PH.D., Professor of German.
WILBUR LUCIUS CROSS, PH.D., Professor of English.
SAMUEL WILLIAM DUDLEY, M.E., Strathcona Professor of Mechanical Engineering.
ALEXANDER WILLIAM EVANS, M.D., PH.D., Eaton Professor of Botany, and Curator of the Eaton Herbarium and other Botanical Collections.
HARRY WARD FOOTE, PH.D., Professor of Physical Chemistry.
WILLIAM EBENEZER FORD, PH.D., Professor of Mineralogy, and Curator of the Brush Mineralogical Collection.

† Members of the faculty on leave of absence are so indicated in Section I.

ROSS GRANVILLE HARRISON, M.D., PH.D., Bronson Professor of Comparative Anatomy.

TREAT BALDWIN JOHNSON, PH.D., Professor of Organic Chemistry.

FREDERICK BLISS LUQUIENS, PH.D., Professor of Spanish.

CHAMPION HERBERT MATHEWSON, PH.D., Professor of Metallurgy and Metallography.

LAFAYETTE BENEDICT MENDEL, PH.D., Sc.D., Professor of Physiological Chemistry.

GEORGE HENRY NETTLETON, PH.D., Litt.D., Professor of English.

ALEXANDER PETRUNKEVITCH, PH.D., Professor of Zoology.

CHARLES SCHUCHERT, LL.D., Professor of Historical Geology.

CHARLES FELTON SCOTT, Sc.D., ENG.D., Professor of Electrical Engineering.

PERCEY FRANKLYN SMITH, PH.D., James E. English Professor of Mathematics.

CHARLES JOSEPH TILDEN, M.A., Professor of Engineering Mechanics.

JOHN CLAYTON TRACY, C.E., Professor of Civil Engineering.

HORACE LEMUEL WELLS, Sc.D., Professor of Analytical Chemistry and Metallurgy.

JOHN ZELENY, PH.D., Professor of Physics.

PROFESSORS, ASSOCIATE PROFESSORS, ASSISTANT PROFESSORS, AND LECTURERS

ALFRED DOUGLASS FLINN, Chester S. Lyman Lecturer.

SAMUEL EBEN BARNEY, C.E., Assistant Professor of Civil Engineering.

ALAN MARA BATEMAN, PH.D., Assistant Professor of Economic Geology.

FREDERICK ELIJAH BEACH, PH.D., Assistant Professor of Physics.

ADOLPH BURNETT BENSON, PH.D., Assistant Professor of German and Scandinavian.

PERCY WELLS BIDWELL, PH.D., Assistant Professor of Economics.

CARLTON THOMAS BISHOP, C.E., Assistant Professor of Structural Engineering.

HAROLD VEATCH BOZELL, E.E., Assistant Professor of Electrical Engineering.

HENRY SEIDEL CANBY, PH.D., Assistant Professor of English.

GEORGE PERKINS CLINTON, Sc.D., Lecturer on Forest Pathology.

JACK RANDALL CRAWFORD, M.A., Assistant Professor of English.

CARL OWEN DUNBAR, PH.D., Assistant Professor of Historical Geology, and Assistant Curator of Invertebrate Paleontology.

WILLARD HIGLEY DURHAM, PH.D., Assistant Professor of English.

CHARLES SHERMAN FARNHAM, C.E., Assistant Professor of Civil Engineering.

- ARTHUR JOSEPH HILL, PH.D., Assistant Professor of Organic Chemistry.
- IRA THOMAS HOOK, B.C.E., Assistant Professor of Strength of Materials.
- RICHARD SHELTON KIRBY, C.E., Assistant Professor of Drawing and Descriptive Geometry.
- ADOLPH KNOPF, PH.D., Associate Professor of Physical Geology and Petrology.
- ALOIS FRANCIS KOVARIK, PH.D., Sc.D., Assistant Professor of Physics.
- PHILIP GUSTAVE LAURSON, B.S., Assistant Professor of Engineering Mechanics.
- EDWIN HOYT LOCKWOOD, M.E., PH.D., Assistant Professor of Mechanical Engineering.
- WILLIAM RAYMOND LONGLEY, PH.D., Professor of Mathematics.
- EGBERT J. MILES, PH.D., Assistant Professor of Mathematics.
- LESTER WILLIAM WALLACE MORROW, M.E., Assistant Professor of Electrical Engineering.
- GEORGE ELWOOD NICHOLS, PH.D., Assistant Professor of Botany.
- LEIGH PAGE, PH.D., Assistant Professor of Physics.
- ARTHUR PHILLIPS, M.S., Assistant Professor of Metallurgy.
- FREDERICK ERASTUS PIERCE, PH.D., Assistant Professor of English.
- FRANK WESLEY PITMAN, PH.D., Assistant Professor of History.
- LEO FREDERICK RETTGER, PH.D., Professor of Bacteriology.
- EARL ADOLPHUS SALIERS, PH.D., Assistant Professor of Accounting.
- BLAIR SAXTON, PH.D., Assistant Professor of Chemistry.
- CARL FREDERICK SCHREIBER, PH.D., Assistant Professor of German.
- HERBERT LEE SEWARD, M.E., Assistant Professor of Mechanical Engineering and Supervisor of Power Plants.
- GEORGE ALBERT STETSON, M.E., Assistant Professor of Mechanical Engineering.
- ROSCOE HENRY SUTTIE, C.E., Assistant Professor of Civil Engineering.
- HUBERT MICHAEL TURNER, M.S., Assistant Professor of Electrical Engineering.
- EVERETT OYLER WATERS, M.E., Assistant Professor of Machine Design.
- LYNDE PHELPS WHEELER, PH.D., Assistant Professor of Physics.
- JAMES KELSEY WHITTEMORE, M.A., Assistant Professor of Mathematics.
- GUSTAV FREDERICK WITTIG, E.E., Assistant Professor of Electrical Engineering.
- WALTER JACOB WOHLBERG, M.E., Assistant Professor of Mechanical Engineering.

INSTRUCTORS†

DONALD ALLISON ADAMS, B.A., LL.B., Instructor in Business Law.
FREDERICK GEORGE ALLEN, B.A., Instructor in Electrical Engineering.

RAMIRO ARRATIA, B.A., Instructor in Spanish.

COURTLANDT BABCOCK, JR., B.A., Instructor in French.

RALPH EASTMAN BADGER, B.A., M.C.S., Instructor in Industrial Management.

SAMUEL JOHN BERARD, M.E., Instructor in Machine Design.

HERMAN BETZ, M.A., Instructor in Mathematics.

CHARLES EDWIN BOOTH, Ph.B., Instructor in Electrical Engineering.

LLEWELLYN MORGAN BUELL, Ph.D., Instructor in English.

LEONARD HATHAWAY CALDWELL, Ph.B., Instructor in Engineering Drawing.

CHARLTON DOWS COOKSEY, Ph.D., Instructor in Physics.

FRANK LAWRENCE COOPER, Ph.D., Instructor in Physics.

MELVIN CHITTENDEN CORBETT, M.E., Instructor in Mechanical Engineering.

JOHN JOSEPH DONLEAVY, Ph.D., Instructor in Chemistry.

JOHN NICHOLAS ECKLE, Ph.B., Instructor in Engineering Drawing.

JOSEPH ROY ELLIS, M.A., Instructor in English and Registrar of Freshmen.

ALLEN HARRIS FORBES, Ph.B., Instructor in Electrical Engineering.

JOHN STUART FOSTER, B.S., Instructor in Physics.

GEORGE SCOTT GLEASON, B.A., Instructor in Engineering Drawing.

FRANK THORPE GORMAN, B.A., Instructor in Spanish.

FRANK MARTIN GRACEY, Instructor in Engineering Drawing.

WARREN KIMBALL GREEN, Ph.D., Instructor in Physics.

CHARLES GRIFIN, B.ÈS, Instructor in French.

ERNEST JAMES HALL, B.A., Instructor in Spanish.

WESLEY BENJAMIN HALL, Ph.B., Instructor in Electrical Engineering.

WALTER BROOKS DRAYTON HENDERSON, Ph.D., Instructor in English.

THOMAS KELLEY HENDRICK, C.E., Instructor in Engineering Mechanics.

ALBERT FREDERICK HILL, M.A., Instructor in Botany, and Assistant Curator of the Botanical Collections.

EUGENE MARK KAYDEN, M.A., Instructor in Political Economy.

ARCHER EBEN KNOWLTON, M.S., Instructor in Electrical Engineering.

RAYMOND MAIRE, L.ÈS, Instructor in French.

† This list of Instructors includes all persons of this rank in the University who give instruction to students of the Sheffield Scientific School.

JAMES STEPHEN MIKESH, M.A., Instructor in Mathematics.
LEROY ELDEN PEABODY, M.A., Instructor in Mathematics.
HENRY TENEYCK PERRY, Ph.D., Instructor in English.
WILLIAM THORNTON READ, M.A., Instructor in Chemistry.
HENRY BRUSH RICHARDSON, M.A., Instructor in French.
JENS MADSEN RYSGAARD, B.A., Instructor in Physics.
RAY HAMILTON SKELTON, C.E., Instructor in Engineering Mechanics.
ARTHUR HENRY SMITH, Ph.D., Instructor in Physiological Chemistry.
MASON FOOTE SMITH, Ph.B., Research Assistant in Mechanical Engineering.
WARREN PHOEBUS SMITH, Ph.B., Instructor in Mechanical Engineering.
GEORGE CLARK SOUTHWORTH, M.S., Instructor in Physics.
JOHN AUSTIN SPAULDING, Ph.D., Instructor in German.
JOHN MINOR STETSON, Ph.D., Instructor in Mathematics.
WILLIAM FYFE TURNBULL, B.A., Instructor in Machine Design.
FRITZ UHLENHAUT, 3D, M.E., Instructor in Mechanical Engineering.
CORTLANDT VAN WINKLE, Ph.D., Instructor in English.
HAROLD FRANCIS VOGEL, E.E., Instructor in Mechanical Engineering.
ROBERT KEELER WARNER, Ph.B., Instructor in Mining.
RUSSELL GILLETTE WARNER, E.E., Instructor in Electrical Engineering.
GEORGE ELLAS WISEWELL, Ph.D., Instructor in French.

CLASS OFFICERS

GEORGE HENRY NETTLETON, Ph.D., Class Officer of the Senior Class.
CHARLES CAMERON CLARKE, M.A., Class Officer of the Junior Class.
PERCEY FRANKLYN SMITH, Ph.D., Class Officer of the Sophomore Class.

GENERAL STATEMENT

OBJECTS

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference both to the promotion and diffusion of science, and to the preparation of young men for such pursuits as require special proficiency in these departments of learning. Instruction is also given in French, German, Spanish, English, Economics, Political Science, and certain topics in Business Administration. The Sheffield Scientific School is the University's undergraduate

School for professional study in Science and Engineering, having its separate funds, buildings, teachers, and regulations, but governed by the Corporation of Yale University, which appoints the professors and confers the degrees.

HISTORY AND ORGANIZATION

The School was established in 1847. In 1860, a convenient building and a considerable endowment were given by Joseph E. Sheffield, of New Haven, whose name, at the repeated request of the Corporation of Yale College, was subsequently attached to the foundation. Mr. Sheffield afterwards frequently and munificently increased his original gifts.

In 1863, by an act of the Connecticut Legislature, the national grant for the promotion of scientific education (under the congressional enactment of July, 1862) was given to this School of Yale University, which thus became the College of Agriculture and the Mechanic Arts for Connecticut. By an act of the State Legislature in 1892 this was revoked and the special relations of the School to the State created by the act of 1863 were terminated.

In 1871, at the request of Mr. Sheffield, certain of the professors in the Sheffield Scientific School and other friends of the institution organized themselves into a body corporate under the laws of the State of Connecticut, in accordance with the articles in Section II.

In addition to the bequests made by Mr. Sheffield, numerous liberal gifts have been received for the endowment of the School and the increase of its buildings and collections, by which the facilities of the institution have been greatly enlarged. Special mention is made of some of these gifts in the descriptions of buildings, collections, scholarships, and prizes.

The BOARD OF TRUSTEES is as follows: The Governor of Connecticut, the President of the University, the Chairman of the Trustees of Peabody Museum, *ex officio*; Thomas Gray Bennett, Ph.B., *President*; Russell Henry Chittenden, Ph.D., LL.D., Sc.D., *Secretary and Treasurer*, William Whitman Farnam, M.A., J.U.D.; Francis Cole Pratt, Ph.B.; Charles Cameron Clarke, M.A.; Treat Baldwin Johnson, Ph.D.

The Governing Board consists of the President of the University and the professors who are permanently attached to the School. There are many other instructors associated with them, some of whom are connected with other Schools of the University.

The graduate courses leading to the degree of Master of Science and to the higher engineering degrees, previously given in the Sheffield Scientific School, by vote of the Yale Corporation on April 21, 1919, were transferred to the jurisdiction of the Graduate School.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

GOVERNMENT AND DISCIPLINE

All routine questions relating to the discipline of the student body are acted upon by a Committee on Discipline, responsible to the Governing Board and other professors and instructors, who form the General Faculty of the School.

Each class is presided over by a special Faculty consisting of a Class Officer and such others of the teaching force as are engaged in the instruction of members of the class. The Class Faculty superintends the progress of the class under its charge, and recommends to the General Faculty such measures as seem expedient.

Every student is provided with a copy of the Regulations of the Sheffield Scientific School. This contains all necessary information regarding scholarship requirements, deportment, attendance, etc.

The classes are divided into small sections, each of which is supervised by an instructor, called its Division Officer, whose duty is to advise and direct the members of his Division desiring to consult him, and through whom the student addresses all communications to the Faculty.

The Honor System is in force in all examinations and written tests of the undergraduate classes. The administration of the System and the punishment for any violation of it is in the hands of a committee of five chosen from the Student Council.

ROOMS

Through the generosity of Mr. Frederick W. Vanderbilt, Ph.B. 1876, of New York City, a dormitory system for the Sheffield Scientific School has been started on a portion of land called Vanderbilt Square, directly opposite Sheffield Square. Two dormitory buildings known as Vanderbilt-Scientific are already completed and occupied. These contain twenty-eight single rooms, eighteen suites adapted for two persons, and thirty-nine suites capable of accommodating three men each. The rooms are not furnished.

Other dormitory accommodations are on the top floor of Byers Hall, and the buildings at 352 and 360 Temple street, 148, 150, 152, and 156 Grove street. In each of these buildings proctors, members of the Board of Instructors, have rooms and exercise reasonable supervision. *All members of the Sophomore Class—excepting those who live at home—are required to live in these dormitories during Sophomore year.*

Application for rooms, specifying preferred price, location, and

roommates, should be made in writing to the Director of the School, on or before May 1.

Members of the class who are compelled to meet their expenses while in college, wholly or in part by their own efforts, and so find it necessary to work for a room, may be exempted from the above requirement on application to the Director of the School.

According to a rule of the Governing Board of the School, students are not allowed to room in any hotel, apartment-house, or building in which a family does not reside, except by special permission of the Faculty.

EXPENSES

The Treasurer's bills are made out and delivered to the students at the beginning of each term, at which time they are payable.

The annual charge for tuition is \$300. This charge includes the fees for registration and the use of the University Library, Gymnasium, Byers Hall, etc. It does not, however, include supplementary charges for laboratory expenses, summer courses, and repeated courses.

For the summer courses in Surveying and Mechanical Technology a fee of \$20 is charged.

For the use of the Biological Laboratories an annual charge of \$10 is made.

For use of the laboratory of Mechanical Engineering the fee is either \$7.50 or \$15 per term, according to the length of the course of instruction taken.

For use of the laboratory of Electrical Engineering a fee of \$7.50 or \$15 per term is charged, according to the length of the course of instruction taken.

In the Chemical and Metallurgical Laboratories students are required to pay a sum not exceeding \$22.50 per term for chemicals and the use of apparatus, etc. In these laboratories, the student likewise supplies himself, at his own expense, with special apparatus and materials, the cost of which should not exceed \$15 per term.

In no case shall the aggregate fees of a student for laboratory expenses, exclusive of breakage and waste, be greater than \$60 per year for all the laboratory courses which he may be required to take.

The fee for graduation as Bachelor of Science, including the fee for Commencement Dinners, etc., is \$20.

SELF-HELP AND SCHOLARSHIPS

A complete list of University fellowships, scholarships, and prizes is given in Section VIII of this Catalogue. The Bureau of Appointments of the University, described in Section III, assists students

who are wholly or partially self-supporting to secure remunerative employment.

For students whose character and promise of successful scholarship work are such as to render them worthy of help, financial aid may be obtained through the Joseph Lyman Scholarship Fund, the David Willcox Loan Fund, the Bacon Loan Fund, and the University Loan Fund, upon application to the Director of the School. The amount of money available from these funds for the benefit of students in the Sheffield Scientific School is about \$7,000 annually. Money so advanced is to be used in meeting the expense of tuition and is to be considered as a loan, without interest, to be repaid not later than five years after graduation.

Additional sources of aid are the Sheffield Loaning Fund and the Vanderbilt Loaning Fund, in the hands of the Board of Trustees of the Sheffield Scientific School. Application for assistance from these funds should be made directly to the Director of the School.

PRIVILEGES

General University privileges are described in Section III of this Catalogue.

HONORS

The DEGREE OF BACHELOR OF SCIENCE with Distinction is awarded in three grades: with Distinction (*cum laude*), with High Distinction (*magna cum laude*), and with Highest Distinction (*summa cum laude*).

THREE-YEAR GENERAL HONORS are awarded at the close of Junior and Senior years to those students who have maintained a high rank in all their studies for three consecutive years.

TWO-YEAR GENERAL HONORS are awarded at the close of Sophomore, Junior, and Senior years to those students not recipients of Three-Year Honors who have maintained a high rank in all their studies for two consecutive years.

ONE-YEAR GENERAL HONORS are awarded at the close of each scholastic year to those students not recipients of Two- or Three-Year Honors who have shown a high degree of proficiency in all their work for the year.

HONORS IN SPECIAL SUBJECTS are awarded at the close of the scholastic year to students in all classes, not recipients of General Honors, who have shown special excellence in particular groups of studies. A student who has had a serious deficiency is not eligible for special honors.

REQUIREMENTS FOR ADMISSION

For terms of admission by examination, by certification from other institutions, or to advanced standing see Section V of this Catalogue.

REQUIREMENTS FOR THE DEGREE

Students of this School, on the recommendation of the Governing Board, are admitted by the Corporation of Yale University to the degree of Bachelor of Science, which is publicly conferred by the President and Fellows of the University on Commencement Day. This degree is conferred on those who have completed any of the four-year courses of study with the requisite passing and quality credits.

The class graduating in 1921 from the three-year course will receive as heretofore the degree of Bachelor of Philosophy. The courses leading to the degree of Master of Science and the higher engineering degrees are now under the jurisdiction of the Graduate School. The requirements for these degrees will be found in the catalogue of that School.

COURSES OF INSTRUCTION LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

The Sheffield Scientific School is the undergraduate school of Yale University for the professional study of science and engineering. The studies are arranged in groups of carefully selected subjects to meet the special needs of students where a scientific or engineering training is necessary or desirable. In order that the student's education may be as broad and comprehensive as the circumstances will permit, each group of studies, or course, includes not only the technical studies necessary for his profession, but also subjects of more general cultural value.

Each of the courses of instruction covers four years of study and applied work. The last three years, beginning with the Sophomore year, are in the Sheffield Scientific School, while the first, Freshman, year is under the jurisdiction of the faculty of The Freshman Year. During this first year the student receives a suitable preparation for the work of the later years in the Sheffield Scientific School. If intending to take one of the courses in the Natural Science Group, out-

lined below, he should elect the studies of Group II in the Freshman year, but if intending to take one of the courses in the Engineering Science Group he should elect the studies of Group III.

GROUP II:

English.
European History.
Chemistry (or Physics).
Mathematics.
French, German, or Spanish (or Latin or Greek).

GROUP III:

English.
European History.
Chemistry (or Physics).
Mathematics.
Introduction to Engineering (first term).
Drawing (second term).

The courses of instruction offered in the Sheffield Scientific School are fifteen in number, each designed to prepare the student for a career in a particular field of science or engineering.

NATURAL SCIENCE GROUP:

1. *Science as Applied to Industry.*
2. *Chemistry.*
3. *Industrial and Engineering Chemistry.*
4. *Mining.*
5. *Metallurgy.*
6. *Pre-Medical Studies.*
7. *Combined Course in Pre-Medical and Medical Studies.*
8. *Physiological Chemistry and Bacteriology.*
9. *Zoology and Botany.*
10. *Pre-Forestry Studies.*
11. *Combined Course in Pre-Forestry and Forestry Studies.*

ENGINEERING SCIENCE GROUP:

12. *Administrative Engineering.*
13. *Civil Engineering.*
14. *Electrical Engineering.*
15. *Mechanical Engineering.*

In each of the courses of instruction the student is expected to devote to his studies at least forty-five hours per week, including the necessary outside preparation for the classroom exercises. Those who have satisfactory advance credits in any of the subjects in the regular curriculum will substitute therefor an approximately equivalent number of hours of the electives indicated, on consultation with the division officer of the course of study concerned.

PREREQUISITE AND REQUIRED SUBJECTS FOR SOPHOMORE YEAR

In each schedule of studies certain subjects are *prerequisite* and must be satisfactorily completed before the study of the related or more advanced subjects is undertaken. Other subjects are *required* before graduation. These differ from prerequisites in that they are not a necessary part of a sequence to be completed early in the course.

HISTORY

A knowledge of American history and government is required of all students. This requirement can be met at present by passing the entrance examination in this subject in June or September of any year before graduation.

ENGLISH

English is a prerequisite in all courses, and the study is continued for one or two years by all students in the School. A general examination in writing is given at the end of Sophomore year. Those who fail in this examination must furnish evidence of their proficiency before the Bachelor's degree is awarded.

MODERN FOREIGN LANGUAGE

Study of French, Spanish, or German extending over two years, beginning with the Freshman year, forms a part of all schedules in the Natural Science group of courses and is elective in the engineering courses.

MATHEMATICS

A knowledge of this subject which includes analytic geometry and elementary calculus is required in the Pre-Forestry, Pre-Medical, and related courses and is prerequisite for all other courses.

CHEMISTRY

Elementary chemistry is required in all courses, and is prerequisite in each of the courses in the Natural Science group.

INTRODUCTORY TO ENGINEERING

The aims of this course are to define the field of engineering as well as its various branches and to show how such fundamental subjects as mathematics, physics, and chemistry find continued application in the work of the engineer. The course is given jointly by the various departments of engineering and includes lectures, recitations, and laboratory exercises.

It is not a prerequisite course but is required of those students who intend to enter the Engineering Science group.

MECHANICAL DRAWING

Prerequisite for Engineering Science group.

PLANE SURVEYING

Summer work for four weeks at the end of Freshman year is required of all students who intend to enter the Sophomore class in the Engineering Science group or in Mining.

SUMMER WORK

Plane Surveying (C. E. 11) for Sophomores in Administrative Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, Mining (Class of 1924), and for Juniors in the Pre-Forestry course (Class of 1923), will begin in June, 1921, immediately following the last examination for the Freshman class. In case of large numbers, a portion of the class may be required to take this work in August and September. The course continues for four weeks.

Topographic Surveying (C. E. 12) for Juniors in Civil Engineering and Mining (Class of 1923) will begin at 8 A. M., Monday, August 29, 1921. The course continues for four weeks and is conducted at the Summer Engineering Camp, East Lyme, Conn. (railroad station, New London). Students should arrive at camp not later than Saturday afternoon, August 27.

Mechanical Technology (M. E. 10) for Juniors in Administrative, Mechanical, and Electrical Engineering, in Industrial and Engineering Chemistry and in Metallurgy (Class of 1923) will begin on Monday, August 29, 1921. The course continues for four weeks. The class will meet in Room 264, Mason Laboratory, at 8 A. M.

NATURAL SCIENCE GROUP

Sophomore, Junior, and Senior Years

1. SCIENCE AS APPLIED TO INDUSTRY

DIVISION OFFICER: Professor T. B. JOHNSON.

The course in Science as Applied to Industry, leading to the degree of Bachelor of Science after the successful completion of four years of undergraduate study, is designed to give students a broad training, based upon a knowledge of certain of the fundamental sciences and of scientific methods, for executive and managerial positions in the business world. No attempt is made to cover the whole field of natural and physical science as a foundation for the more practical business studies which form, in the last two years, an integral part of the course; but attention is concentrated upon three branches of science, viz., Chemistry, Geology, and Metallurgy. The work in these sciences is so arranged that a natural and logical order of development is followed, covering, in some cases, four years of work in a single field.

The scientific studies are supplemented in each of the years by general or cultural studies in English or Modern Language. Students who are looking forward to engaging in business in some foreign field where a knowledge of French, German, or Spanish is indispensable are given the opportunity to obtain a thorough knowledge of the necessary language. During the Junior and Senior years the scientific studies are supplemented by the study of Economics, and of selected subjects within the general field of Business Administration, such as Business Finance, Accounting, Statistics, Business Law, and Insurance.

It should be pointed out that the course in Science as Applied to Industry is not designed for those students who are seeking preparation for a professional career in some particular branch of science, such as Chemistry, Geology, or Metallurgy, where problems of production are likely to occupy his attention; such professional training can best be secured in other courses. The prospective professional chemist, to mention a single instance, requires a training different from the prospective business manager in a chemical-manufacturing plant. It is to supply the training necessary for men to function intelligently and efficiently in important executive and managerial positions in the business world, where a knowledge of science and of the scientific approach to business problems is indispensable, that this course has been provided.

SCIENCE AS APPLIED TO INDUSTRY

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Mathematics (Math. 2).....	3	..	..	6	9
Physics (Phys. 10, 11).....	3	1	4	4	12
French, Spanish or German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Qualitative Analysis (Chem. 2).....	1	..	6	1	8
Elementary Mineralogy (Geol. 70)....	1	..	4	1	6

Second term

Mathematics (Math. 2).....	3	..	..	6	9
Physics (Phys. 12, 13).....	3	1	4	4	12
French, Spanish or German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Qualitative Analysis (Chem. 2).....	1	..	6	1	8
Elementary Mineralogy (Geol. 70)....	2	..	2	2	6

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Physical Chemistry (Chem. 51).....	2	..	..	4	6
Physical Geology (Geol. 1).....	2	..	..	4	6
Elementary Metallurgy (Met. 11).....	3	..	..	6	9
Drawing (Draw. 11).....	..	1	5	..	6
English (Engl. 220).....	1	..	..	1	2
Economics (Soc. Sci. 30).....	3	..	..	4½	7½

Second term

Physical Chemistry (Chem. 51).....	2	..	..	4	6
Historical Geology (Geol. 2).....	2	..	..	4	6
Elementary Metallurgy (Met. 11).....	3	..	..	6	9
Industrial Mineralogy.....	2	..	1	3	6
English (Engl. 220).....	1	..	..	1	2
Business Finance (Bus. Ad. 1).....	..	3	..	4½	7½

A course is to be elected from the options below to make a schedule for the Junior year of approximately 45½ hours.

Elementary Botany (Biol. 6).....	9 hours, first term
Biology (Biol. 11).....	9 hours, second term
French, Spanish or German.....	9 hours, both terms

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
General and Physical Chemistry (Chem. 5)	3	..	..	6	9
Economic Geology (Geol. 3) .....	..	2	3	4	9
Statistics and Reports (Bus. Ad. 3)	3	..	..	4½	7½
Industrial Management (A. E. 3)	1	1	..	4	6
Principles of Accounting (Bus. Ad. 2) ..	2	..	2	2	6

Second term

General and Physical Chemistry (Chem. 5)	3	..	..	6	9
Elementary Petrology (Geol. 5) .....	..	3	1	5	9
Applied Structural Geology (Geol. 13) }	..	3	1	5	9
Metals and Alloys (Met. 252)	3	..	..	4½	7½
Industrial Management (A. E. 3)	1	1	..	4	6
Cost Analysis (Bus. Ad. 20)	2	..	2	2	6

Courses are to be elected from the options following to make a schedule for the Senior year of at least 45 hours.

ELECTIVES*

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Elementary Organic Chemistry (Chem. 4)	3	..	..	6	9
Industrial Chemistry (Chem. 6)	3	..	..	5	8
Economic and Regional Geology (B. 5) ..	2	..	..	4	6
Business Law (Bus. Ad. 5)	3	..	..	4½	7½
Insurance (Bus. Ad. 4)	3	..	..	4½	7½

Second term

Elementary Organic Chemistry (Chem. 4)	3	..	..	6	9
Industrial Chemistry (Chem. 6)	3	..	..	5	8
Economic and Regional Geology (B. 5) ..	2	..	..	4	6
Metallurgy of Iron and Steel (Met. 10) ..	1	..	..	2	3
Transportation (Soc. Sci. 32)	3	..	..	4½	7½
Economic Problems (Soc. Sci. 31)	3	..	..	4½	7½

* This list of electives is not complete and is subject to additions and changes.

2. CHEMISTRY

DIVISION OFFICERS: Sophomore year, Mr. READ; Junior year, Assistant Professor HILL; Senior year, Professor FOOTE.

The aim of the instruction in the courses in Chemistry is to provide a training which will serve as a basis for a career in any branch of Pure or Applied Chemistry. With this end in view two courses of study are provided to meet the growing demand for men in this field of science, namely, 1, Chemistry and 2, Industrial and Engineering Chemistry. In both of these courses the fundamental principles of the science are given chief attention, in the belief that exact scientific knowledge is more essential than mere drill in practical applications of the subject. Both courses are so constructed as to give the student not only a thorough training in Chemistry, but a knowledge of other subjects which are essential for professional or practical work.

The theoretical studies of both courses are dealt with by recitations and lectures in the fundamental branches. Many of these subjects are carried on in connection with practical laboratory work. While emphasis is laid on the theoretical aspects of the science the practical side is not neglected in either course. Much attention is given to instruction in Industrial Chemistry in so far as this subject can profitably be studied by laboratory methods. In the Industrial and Engineering Chemistry course the student is required to take elementary courses in both Mechanical and Electrical Engineering, and in his course he is taught how to apply engineering methods in the solution of practical chemical problems. In Analytical Chemistry much time is devoted to the attainment of skill in manipulation and a knowledge of the more important methods used in practical work. The student is also given thorough and fundamental training in Organic and Physical Chemistry.

Students taking the Industrial and Engineering Chemistry course will be obliged to devote a part of one summer vacation to work in Mechanical Technology and opportunities will be offered to take inspection trips to manufacturing plants as a part of their course in Industrial Chemistry. In both courses, the student will be obliged to acquire a sufficient knowledge of French and German to be able to handle the chemical literature. They will also receive a certain amount of instruction in subjects like Economics and Industrial Management and related subjects, which the department deems essential for the general education of a professional man. Stress will also be laid on the knowledge of English and the ability to write reports and to record observations and interpret experimental data in an orderly manner.

Students who pursue either course successfully will obtain a good foundation in the important branches of chemistry. The satisfactory completion of the Chemistry course will enable the student to under-

take work in teaching this subject, and also qualify him for applying the method of Analytical Chemistry in practical work, and undertaking advanced work in research and plant control laboratories.

Students who complete successfully the course in Industrial and Engineering Chemistry will be well prepared to undertake industrial work, and to cooperate understandingly with organizations which are engaged in chemical manufacturing. They should be able to master very rapidly the engineering principles connected with practical operations, and develop into valuable men for plant operation.

Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION.**

CHEMISTRY

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Qualitative Analysis (Chem. 2).....	1	..	6	1	8
Physics (Phys. 10, 11).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Elementary Mineralogy (Geol. 70).....	..	..	6	..	6

Second term

Qualitative Analysis (Chem. 2).....	1	..	6	1	8
Physics (Phys. 12, 13).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Elementary Mineralogy (Geol. 70).....	..	..	6	..	6

The following electives in Sophomore year are offered for those who have had sufficient preparation: Drawing, Elementary Bacteriology.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Gravimetric Analysis (Chem. 3).....	2	..	9	1	12
Elementary Physical Chemistry (Chem. 51).....	2	..	3	4	9
Organic Chemistry (Chem. 4).....	3	..	3	6	12
Geology (Geol. 1).....	2	..	..	4	6
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
English (Engl. 220).....	1	..	..	1	2

Second term

	Hours per week				
	Rec.	Lect.	Lab.	Prep.	Total
Gravimetric Analysis (Chem. 3).....	2	..	9	1	12
Elementary Physical Chemistry (Chem. 51).....	2	..	3	4	9
Organic Chemistry (Chem. 4).....	3	..	3	6	12
Geology (Geol. 2).....	2	..	..	4	6
Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½
English (Engl. 220).....	1	..	..	1	2

The following electives in Junior year are offered for those who have had sufficient preparation: Water Analysis, Crystallography, Geology.

SENIOR YEAR

First term

	Hours per week				Total
	Rec.	Lect.	Lab.	Prep.	
Volumetric Analysis (Chem. 33).....	..	1	6	1	8
Industrial Analysis (Chem. 66).....	..	1	6	1	8
Industrial Chemistry (Chem. 6).....	3	..	..	5	8
General and Physical Chemistry (Chem. 5).....	3	..	..	6	9
Chemical Seminar (Chem. 80).....	..	..	..	..	2
Advanced Organic Chemistry (Chem. 44).....	2	..	..	3	5
Industrial Management (A. E. 3).....	1	1	..	4	6

Second term

Industrial Chemistry (Chem. 6).....	3	..	..	5	8
General and Physical Chemistry (Chem. 5).....	3	..	..	6	9
Chemical Seminar (Chem. 80).....	..	..	..	..	2
Advanced Organic Chemistry (Chem. 44).....	2	1	13	2	18
Metallurgy and Metallography (Met. 121, 18).....	3	..	..	6	9

The following electives in Senior year are offered for those who have had sufficient preparation: Gas Analysis, Advanced Analytical Chemistry, Statistics and Reports, Business Law, Principles of Accounting and Cost Analysis, Advanced Problems in Chemistry leading to the degree of Master of Science in the Graduate School.

3. INDUSTRIAL AND ENGINEERING CHEMISTRY

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Hours per week				Total
	Rec.	Lect.	Lab.	Prep.	
Qualitative Analysis (Chem. 2).....	1	..	6	1	8
Physics (Phys. 10, 11).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Drawing (Draw. 1).....	..	1	5	..	6

Second term

Qualitative Analysis (Chem. 2).....	..	1	6	1	8
Physics (Phys. 12, 13).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Drawing (Draw. 2).....	..	1	5	..	6

Summer Work

Mechanical Technology (M. E. 10). Four weeks, beginning August 29, in 1921.

The following electives in Sophomore year are offered for those who have had sufficient preparation: Geology, Mineralogy, and Crystallography.

JUNIOR YEAR

First term

	Hours per week				Total
	Rec.	Lect.	Lab.	Prep.	
Quantitative Analysis (Chem. 30).....	..	1	6	2	9
Elementary Physical Chemistry (Chem. 51).....	2	..	3	4	9
Kinematics and Machine Design (M. E. 401).....	1	..	4	1	6
Thermodynamics (M. E. 31).....	3	..	2	4	9
Organic Chemistry (Chem. 4).....	3	..	3	6	12
English (Engl. 220).....	1	..	..	1	2

Second term

Industrial Analysis (Chem. 65).....	..	1	6	2	9
Elementary Physical Chemistry (Chem. 51).....	2	..	3	4	9
Kinematics and Machine Design (M. E. 401).....	1	..	4	1	6
Heat Engines (M. E. 32).....	3	..	2	4	9
Organic Chemistry (Chem. 4).....	3	..	3	6	12
English (Engl. 220).....	1	..	..	1	2

Credit will be given for summer work in manufacturing plants.

The following electives in Junior year are offered for those who have had sufficient preparation: Mineralogy and Crystallography, Geology, and Water Analysis.

SENIOR YEAR

First term

			Hours per week		Total
	Rec.	Lect.	Lab.	Prep.	
Industrial Chemistry (Chem. 6)	3	..	..	5	8
General and Physical Chemistry (Chem. 5)	3	..	..	6	9
Power Engineering (M. E. 33)	2	1	3	3	9
Economics (Soc. Sci. 30)	3	..	..	4½	7½
Chemical Technology (Chem. 70)	1	..	6	1	8
Organic Chemistry (Chem. 45)	2	..	..	3	5
Eng. Chem. Seminar (Chem. 81) . . . . .	..	..	..	..	2

Second term

Industrial Chemistry (Chem. 6)	3	..	..	5	8
General and Physical Chemistry (Chem. 5)	3	..	..	6	9
Business Finance (Bus. Ad. 1)	3	..	..	4½	7½
Elements of Electrical Engineering (E. E. 242)	2	1	3	3	9
Chemical Technology (Chem. 70)	1	..	6	1	8
General Metallurgy (Met. 121)	2	..	..	3	5
Eng. Chem. Seminar (Chem. 81) . . . . .	..	..	..	..	2

The following electives in Senior year are offered for those who have had sufficient preparation: Gas Analysis, Advanced Analytical Chemistry, Statistics and Reports, Business Law, Principles of Accounting and Cost Analysis, Industrial Management, Advanced Problems in Chemistry leading to the degree of Master of Science in the Graduate School.

4. MINING

DIVISION OFFICERS: Sophomore year, Assistant Professor PHILLIPS; Junior year, Mr. R. K. WARNER; Senior year, Professor MATHEWSON.

The course leading to the degree of Bachelor of Science at the end of four years offers a period of early training in English, History, Modern Language, and the sciences fundamental to Mining, after which the more general aspects of Mining are considered without emphasis on work of a purely engineering character. Instruction in Mining and allied subjects during the last two years may be expected to equip a man with the basic information which should eventually enable him to examine and report upon mining properties and to

value them. It also constitutes a logical preparation for executive work. Through the medium of courses in Economics, Business Finance, and Accounting, a certain degree of preparation for a business career is added.

During the summers between Freshman and Sophomore and between Sophomore and Junior years the student is required to devote four weeks each year to courses in Surveying offered in the Department of Civil Engineering. Two weeks of Mine Surveying are included in the summer between Junior and Senior years, along with six weeks of Geological field work.

In case a student desires to devote himself to Mining primarily from an engineering point of view, he is permitted to substitute Mechanics, Thermodynamics, Materials, and Stresses for some of the prescribed work in Chemistry and Metallurgy. In case he desires to specialize in Geology, the course of study may be arranged to include Optical Mineralogy and Petrology. These substitutions are arranged so that Mechanics and Stresses are taken during Junior year and the other subjects during Senior year.

The exercise of these options will equip the student to take up advanced work under the jurisdiction of the Graduate School in either Engineering or Geology.

Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION**.

MINING

FRESHMAN YEAR

Studies of Group II

Summer Work

Plane Surveying (C. E. 11). Four weeks during the summer between Freshman and Sophomore years, beginning in June immediately after the last examination of the Freshman class.

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
Qualitative Analysis (Chem. 2).....	..	1	6	1	8
Physics (Phys. 10, 11).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Drawing (Draw. 1).....	..	1	5	..	6

* Scheduled hours in conference or laboratory.

Second term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
Qualitative Analysis (Chem. 2).....	..	1	6	1	8
Physics (Phys. 12, 13).....	3	1	4	4	12
Mathematics (Math. 2).....	3	..	..	6	9
French, Spanish, German.....	3	..	..	6	9
English (Engl. 220).....	1	..	..	1	2
Drawing (Draw. 2).....	1	1	4	..	6

Summer Work

Topographic Surveying (C. E. 12). Four weeks during the summer between Sophomore and Junior years. Work is conducted at the Summer Engineering Camp, East Lyme, Conn. In 1921 the course will begin at 8 A. M. Monday, August 29. Students should arrive at camp not later than Saturday afternoon, August 27.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
Elementary Mineralogy (Geol. 70).....	1	..	4	1	6
Quantitative Analysis (Chem. 30).....	..	1	6	2	9
Physical Geology (Geol. 1).....	2	..	..	4	6
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
Assaying (Met. 10, 101).....	1	..	4	1	6
Elementary Mining (Min. 10).....	1	2	3	3	9
English (Engl. 220).....	1	..	..	1	2

Second term

Elementary Mineralogy (Geol. 70).....	2	..	2	2	6
Applied Structural and Dynamical Geology (Geol. 13).....	2	..	..	3	5
Elementary Petrology (Geol. 5).....	..	..	1	..	1
Metallurgical Analysis (Met. 141).....	..	..	6	..	6
Historical Geology (Geol. 2).....	2	..	..	4	6
Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½
Assaying (Met. 10, 101).....	1	..	4	1	6
Elementary Mining (Min. 10).....	1	2	..	3	6
English (Engl. 220).....	1	..	..	1	2

Electives: Mechanics (Eng. Mech. 1) in place of Quantitative and Metallurgical Analysis; Stresses (C. E. 63) in place of Assaying, second term; Mechanism and Machine Design (M. E. 401). For students who have had sufficient preparation.

* Scheduled hours in conference or laboratory.

Summer Work

Mine Surveying (Min. 50). Two weeks during the summer between Junior and Senior years.

Field Geology (Geol. 42). Six weeks. Preceded by ten lectures.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
Economic Geology (Geol. 31, 32).....	..	2	3	3	8
Accounting (Bus. Ad. 2).....	3	..	..	3	6
General Chemistry (Chem. 5).....	3	..	..	6	9
Ore Dressing (Min. 30, 31).....	1	1	3	2	7
Advanced Mineralogy (Geol. 72).....	..	..	6	..	6
Mining (Min. 20).....	1	2	3	3	9

Second term

Economic Geology (Geol. 31, 32).....	..	3	3	3	9
Accounting (Bus. Ad. 20).....	3	..	..	3	6
General Chemistry (Chem. 5).....	3	..	..	6	9
Ore Dressing (Min. 30, 31).....	1	1	3	2	7
General Metallurgy (Met. 121).....	2	..	..	3	5
Mining (Min. 20).....	1	2	3	3	9

Electives: Thermodynamics and Heat Engines (M. E. 31, 32) or Optical Mineralogy and Petrology (Grad.) in place of General Chemistry; Materials (Eng. Mech. 3 and Met. 251) in place of Advanced Mineralogy and General Metallurgy.

5. METALLURGY

DIVISION OFFICERS: Sophomore year, Assistant Professor PHILLIPS;
Junior and Senior years, Professor MATHEWSON.

The course leading to the degree of Bachelor of Science at the end of four years offers a period of early instruction in English, History, Modern Language, and the sciences fundamental to Metallurgy, which is identical with the work required during the first two years of the course in Industrial and Engineering Chemistry.

During Junior year the chemical foundation for metallurgical work is enlarged, courses in Mineralogy, Assaying, Economics, and Business Finance are introduced and the study of Metallurgy is begun in the form of an elementary descriptive course. Students who have anticipated some of the work regularly outlined are allowed electives embracing courses offered in the Departments of Chemistry, Geology, and Engineering.

* Scheduled hours in conference or laboratory.

In Senior year emphasis is laid on that branch of Metallurgy which is closely connected with the metal manufacturing industry mainly through courses in Metallography and Metal Technology, in addition to a more conventional course in Ore Metallurgy. Opportunity is offered for additional work in Ore Metallurgy, and Ore Dressing may be substituted for the course in Metal Technology. A course in Accounting is also included in Senior year and this along with the earlier courses in Economics and Business Finance furnishes a certain degree of preparation for a business career.

A graduate of the course in Metallurgy is prepared for employment as a metallurgical chemist; and, provisionally, as a metallurgist who may ultimately undertake the development and technical direction of ore-metallurgical processes, or as a physical metallurgist who will ordinarily be required to undertake the solution of metallurgical problems encountered in the manufacture of metal products. Additional proficiency in these several directions may be gained by pursuing more advanced work under the jurisdiction of the Graduate School.

In case a student desires to devote himself to Metallurgy primarily from an engineering point of view he is permitted to substitute Mechanics, Thermodynamics, and Stresses for some of the more advanced Chemistry included in the course. Full preparation for an engineering career will require additional (graduate) work involving problems in design and construction of plants and equipment.

Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION**.

METALLURGY

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Qualitative Analysis (Chem. 2) . . . . .	..	1	6	1	8
Physics (Phys. 10, 11)	3	1	4	4	12
Mathematics (Math. 2)	3	..	..	6	9
French, Spanish, German	3	..	..	6	9
English (Engl. 220)	1	..	..	1	2
Drawing (Draw. 1) . . . . .	..	1	5	..	6

* Scheduled hours in conference or laboratory.

Second term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Qualitative Analysis (Chem. 2) . . . . .	..	1	6	1	8
Physics (Phys. 12, 13)	3	1	4	4	12
Mathematics (Math. 2)	3	..	..	6	9
French, Spanish, German	3	..	..	6	9
English (Engl. 220)	1	..	..	1	2
Drawing (Draw. 2)	1	1	4	..	6

Summer Work

Mechanical Technology (M. E. 10). Four weeks beginning 8 A. M., August 29, in 1921.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Quantitative Analysis (Chem. 30) . . . . .	..	1	6	2	9
General Chemistry (Chem. 5)	3	..	..	6	9
Elementary Mineralogy (Geol. 70)	1	..	4	1	6
Economics (Soc. Sci. 30)	3	..	..	4½	7½
Assaying (Met. 10, 101)	1	..	4	1	6
Elementary Metallurgy (Met. 11)	2	..	3	2	7
English (Engl. 220)	1	..	..	1	2

Second term

Industrial Analysis (Chem. 65)	1	..	6	2	9
General Chemistry (Chem. 5)	3	..	..	6	9
Elementary Mineralogy (Geol. 70)	2	..	2	2	6
Business Finance (Bus. Ad. 1)	3	..	..	4½	7½
Assaying (Met. 10, 101)	1	..	4	1	6
Elementary Metallurgy (Met. 11)	2	..	3	2	7
English (Engl. 220)	1	..	..	1	2

Electives: Mechanics (Eng. Mech. 1) in place of General Chemistry; Stresses (C. E. 63) in place of Assaying, second term; Mechanism and Machine Design (M. E. 401); Geology (Geol. 1, 2). For students who have had sufficient preparation.

Summer Work

(Elective)

Plane Surveying (C. E. 11). Four weeks during the summer between Sophomore and Junior years.

* Scheduled hours in conference or laboratory.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
Physical Chemistry (Chem. 51).....	2	..	3	4	9
Materials (Eng. Mech. 3, and Met. 251)	2	1	3	3	9
Accounting (Bus. Ad. 2).....	3	..	..	3	6
Metallurgical Analysis (Met. 14).....	..	..	8	..	8
General Metallurgy (Met. 12).....	3	..	..	3	6
Metal Technology (Met. 25).....	..	1	3	3	7

Second term

Physical Chemistry (Chem. 51).....	2	..	3	4	9
Materials (Eng. Mech. 3, and Met. 251)	2	1	3	3	9
Accounting (Bus. Ad. 20).....	3	..	..	3	6
Metallurgical Analysis (Met. 14).....	..	..	8	..	8
Metallurgy (Met. 18).....	1	..	..	3	4
Metallurgy of Iron and Steel (Met. 13) ..	1	..	..	2	3
General Metallurgy (Met. 12).....	3	..	..	3	6

Electives: Ore Dressing (Min. 30, 31) in place of Metal Technology; Thermodynamics and Heat Engines (M. E. 31, 32) in place of Metallurgical Analysis; Elements of Electrical Engineering (E. E. 242); Industrial Chemistry (Chem. 6); Advanced courses in Metallurgy in the Graduate School. For students who have had sufficient preparation.

6. PRE-MEDICAL STUDIES

DIVISION OFFICER: Professor COE.

The studies of the Pre-Medical course are selected with the aim to give not only an adequate preparation in the physical, chemical, and biological sciences required for entrance to the medical school but also to provide opportunity for a liberal education. Besides the regular Pre-Medical course, both the course in Physiological Chemistry and Bacteriology and that in Zoology and Botany meet the requirements for admission to medical schools.

The student who has maintained an average stand of C+ or higher in the Junior year of the Pre-Medical course will be allowed to elect the Combined Course of Pre-Medical and Medical Studies for his Senior year. He may thus substitute for his full Senior year in the Sheffield Scientific School such subjects as will enable him to be enrolled as a first-year student in the Yale School of Medicine, as indicated in the schedule of studies. On the satisfactory completion of the studies of Senior year in this combined course the student will

* Scheduled hours in conference or laboratory.

be eligible for the degree of B.S. It is thus possible for students of high attainments to obtain the degrees of B.S. and M.D. in a total of seven years.

Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION.**

PRE-MEDICAL COURSE

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
English (Engl. 21).....	3	..	..	3	6
French, Spanish, German.....	3	..	..	6	9
Qualitative Analysis (Chem. 2).....	..	1	6	1	8
Physics (Phys. 10, 11).....	3	1	4	4	12
Elementary Botany (Biol. 6).....	..	2	4	3	9

Second term

English (Engl. 22).....	2	..	..	4	6
French, Spanish, German.....	3	..	..	6	9
Quantitative Analysis (Chem. 30).....	..	1	6	1	8
Physics (Phys. 12, 13).....	3	1	4	4	12
General Biology (Biol. 11).....	..	2	4	3	9

Electives: Drawing (6 hrs. first term), Qualitative Analysis (8 hrs. second term). Those who have satisfactory credits in Qualitative Analysis may elect Organic Chemistry (12 hrs. both terms).

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Organic Chemistry (Chem. 41).....	3	..	4	5	12
Physical Chemistry (Chem. 51).....	2	..	3	4	9
Psychology.....	2	1	..	6	9
Histology and Micros. Tech. (Biol. 26).....	..	2	4	3	9

Second term

Organic Chemistry (Chem. 41).....	3	..	4	5	12
Psychology.....	2	1	..	6	9
Comparative Anatomy (Biol. 22).....	3	..	6	3	12
Physical Chemistry (Chem. 51).....	2	..	3	4	9

Electives: Genetics (9 hrs. first term), Parasitology (9 hrs. first term), Embryology (9 hrs. second term), Scientific French or German (9 hrs. both terms).

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
General Physiology (Biol. 35).....	..	2	4	3	9
Genetics (Biol. 33).....	2	..	4	3	9
Parasitology (Biol. 28).....	2	..	4	3	9
Physical Geology (Geol. 1).....	2	..	..	4	6
Economics (Soc. Sci. 30).....	3	..	..	4½	7½

Second term

General Bacteriology (Biol. 71).....	3	..	6	6	15
Embryology (Biol. 23).....	..	2	4	3	9
Historical Geology (Geol. 2).....	2	..	..	4	6
Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½

Electives: Plant Morphology and Anatomy (9 hrs. both terms), Scientific French or German (9 hrs. both terms), Biology of the Protozoa (9 hrs. first term).

7. COMBINED COURSE IN PRE-MEDICAL AND MEDICAL STUDIES

SENIOR YEAR

DIVISION OFFICERS: Professor MENDEL and Dr. A. H. SMITH.

Those who have satisfactorily completed the first three years of the Pre-Medical course and have attained an average scholarship record of at least C+ in the studies of Junior year may, if they so desire, take this Combined course in Pre-Medical and Medical Studies in place of the full Senior year in the Sheffield Scientific School. The subjects of study comprise Physiological Chemistry, Physiology of Nutrition, Embryology, and Bacteriology in the Sheffield Scientific School, together with Human Anatomy and Histology in the Yale School of Medicine, these being the required studies of the first year in the Yale School of Medicine.

8. PHYSIOLOGICAL CHEMISTRY AND BACTERIOLOGY

DIVISION OFFICER: Professor MENDEL.

This course is intended to afford a preparation for advanced studies in the Physiological Sciences, Biochemistry, Bacteriology, and Hygiene, leading either to a Master's degree in the Biological Sciences or to the degree of Doctor of Philosophy.

In addition to a thorough preparation in biological and chemical subjects, considerable emphasis is placed upon a comprehensive

acquaintance with physiological chemistry, bacteriology and hygiene, and their applications. On this basis students should be equipped to teach the various branches of biological sciences presented, and likewise (after an additional year or two of graduate study) for careers in research institutions, public health laboratories, and other similar establishments; sanitary investigations; industrial laboratories for analysis and preparation of food products, and for serum manufacture; experiment station work; and related departments. The course also affords an adequate preparation for entrance into medical schools.

PHYSIOLOGICAL CHEMISTRY AND BACTERIOLOGY

FRESHMAN, SOPHOMORE, AND JUNIOR YEARS

The first three years of this course are the same as those of the Pre-Medical course.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Physiological Chemistry (Biol. 5)	2	..	10	4	16
Genetics (Biol. 33)	2	..	4	3	9
General Physiology (Biol. 35)	2	..	4	3	9
Physical Geology (Geol. 1)	2	..	..	4	6
Economics (Soc. Sci. 30)	3	..	..	4½	7½

Second term

General Bacteriology (Biol. 71)	3	..	6	6	15
Physiology of Nutrition (Biol. 52)	2	..	..	4	6
Historical Geology (Geol. 2)	2	..	..	4	6
Plant Physiology (Biol. 66)	2	..	4	3	9
Business Finance (Bus. Ad. 1)	3	..	..	4½	7½

Electives: Parasitology (9 hrs. first term), Embryology (9 hrs. second term), Biology of the Protozoa (9 hrs. first term), Scientific French or German (9 hrs. second term).

9. ZOOLOGY AND BOTANY

DIVISION OFFICERS: Professors COE and EVANS.

This course aims to prepare students for the work of teaching or investigation in Zoology and Botany, and may be introductory to advanced work in Paleontology, Plant Pathology, Entomology, Animal and Plant Breeding, Genetics, applied Biology, or experimental Biology. Either Zoology or Botany may be made the principal laboratory study in Senior year.

The University maintains one or more tables at the Marine Biolog-

ical Laboratory, Woods Hole, Mass., for summer work in Zoology or Botany. These tables may be occupied, without charge, either by advanced students who have shown ability for original investigation or by undergraduates of high scholarship who wish to pursue one of the regular courses offered at that laboratory. The Tropical Laboratory, at Cinchona, Jamaica, is likewise available for students who are prepared for original investigation in Botany.

ZOOLOGY AND BOTANY

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
English (Engl. 21)	2	..	..	4	6
French, Spanish, German	3	..	..	6	9
Qualitative Analysis (Chem. 2) .....	..	1	6	1	8
Physics (Phys. 10, 11)	3	1	4	4	12
Elementary Botany (Biol. 6) .....	..	2	4	3	9

Second term

English (Engl. 22)	2	..	..	4	6
French, Spanish, German	3	..	..	6	9
Qualitative Analysis (Chem. 2) .....	..	1	6	1	8
Physics (Phys. 12, 13)	3	1	4	4	12
General Biology (Biol. 11) .....	..	2	4	3	9

Students having satisfactory credits in one or more of the above subjects are required to substitute an approximately equal number of hours from the following: Entomology (9 hrs. first term), Field Botany (9 hrs. second term), Drawing (6 hrs. either term).

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Organic Chemistry (Chem. 41)	2	..	3	4	9
Histology (Biol. 26)	2	..	4	3	9
Plant Morphology and Anatomy (Biol. 61)	2	..	4	3	9

Second term

Organic Chemistry (Chem. 41)	2	..	3	4	9
Comparative Anatomy (Biol. 22)	3	..	6	3	12
Plant Morphology and Anatomy (Biol. 61)	2	..	4	3	9

Electives to make a total of at least 45 hours each term from the following: Modern Language (9 hrs. both terms), Psychology (9 hrs. both terms), Entomology (9 hrs. first term), Physical Geology (5 hrs. first term), and Historical Geology (5 hrs. second term).

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Lab.	Prep.	
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
Physical Chemistry (Chem. 5).....	2	..	3	4	9
Genetics (Biol. 33).....	2	..	4	3	9

Second term

Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½
Gen. Physiology (Biol. 35).....	..	2	4	3	9
Plant Physiology (Biol. 66).....	2	..	4	3	9

Electives to make a total of at least 45 hours each term from the following or from those of Junior year: Embryology (9 hrs. second term; required of those taking Zoology as major), Parasitology (9 hrs. first term), Local Dendrology (9 hrs. first term), Plant Ecology (9 hrs. second term), and Biology of the Protozoa (9 hrs. first term), Scientific French or German (9 hrs. both terms).

10. PRE-FORESTRY STUDIES

DIVISION OFFICERS: Sophomore year, Assistant Professor NICHOLS;
Junior and Senior years, Professor EVANS.

This course is designed primarily to provide a broad foundation in the sciences for men who plan to enter the profession of forestry. It is also adapted to those who expect to take up the study of agriculture or horticulture, or who may wish to pursue a course of study along general scientific lines. For prospective students of agriculture, horticulture or some similar phase of applied botany it may be possible to make certain substitutions in the required studies of Senior year as here outlined.

Students who expect to continue their studies in the School of Forestry and who maintain an average stand of C+ or higher during Sophomore and Junior years, will be permitted to anticipate certain Forest School subjects during their undergraduate course, beginning with Junior year. This will enable them to complete the work of the Forest School in one year after graduation from the Scientific School.

PRE-FORESTRY STUDIES

FRESHMAN YEAR

Studies of Group II

SOPHOMORE YEAR

First term

	Hours per week			
	Rec. Lect.	Lab.	Prep.	Total
Physics (Phys. 10, 11)*.....	4	4	4	12
Elementary Botany (Biol. 6).....	2	4	3	9
Mineralogy (Geol. 70).....	..	4	1	5
Economic Geography (Soc. Sci. 2).....	2	..	3	5
English (Engl. 21).....	2	..	4	6
French, Spanish, German.....	3	..	6	9

Second term

Physics (Phys. 10, 11)*.....	4	4	4	12
Elementary Biology (Biol. 11).....	2	4	3	9
Economic Geography (Soc. Sci. 2).....	2	..	3	5
Drawing (Draw. 1).....	1	5	1	7
English (Engl. 22).....	2	..	4	6
French, Spanish, German.....	3	..	6	9

Summer Work

Plane surveying—four weeks in summer between Sophomore and Junior years.

JUNIOR YEAR

First term

	Hours per week			
	Rec. Lect.	Lab. Field	Prep.	Total
Plant Morphology and Anatomy (Biol. 61).....	2	4	3	9
Entomology (Biol. 24).....	2	4	3	9
Physical Geology (Geol. 1).....	2	..	4	6
Drawing (Draw. 2).....	2	4	..	6
Economics (Soc. Sci. 30).....	3	..	4½	7½

Second term

Plant Morphology and Anatomy (Biol. 61).....	2	4	3	9
Field Botany (Biol. 64).....	2	4	2	8
Field Zoology (Biol. 21).....	2	4	2	8
Historical Geology (Geol. 2).....	2	..	4	6
Business Finance (Bus. Ad. 1).....	3	..	4½	7½

The student must add to the required subjects enough electives to make at least 45 hours per week. The following subjects are suggested: Engineering Mechanics (Statics and Kinetics), Genetics, Psychology, Modern Language.

*Those who have already taken Physics in Freshman year should substitute Freshman Chemistry for Sophomore Physics.

SENIOR YEAR

First term

	Rec. Lect.	Hours per week			Total
		Lab. Field	Prep.		
Local Dendrology (Biol. 65).....	2	4	2		8
Organic Chemistry (Chem. 41).....	2	3	4		9
Forest Physiography.....	2	2	2		6
Accounting (Bus. Ad. 2).....	3	..	3		6
Business Law (Bus. Ad. 5).....	3	..	4½		7½

Second term

Plant Ecology (Biol. 62).....	2	4	3		9
Plant Physiology (Biol. 66).....	2	4	3		9
Organic Chemistry (Chem. 41).....	2	3	4		9
Forest Physiography.....	2	2	2		6
Accounting (Bus. Ad. 20).....	3	..	3		6

Enough electives must be added to make at least 45 hours per week. In addition to subjects suggested as electives for Junior year, the following are recommended: Timber Structures, Strength of Materials.

11. COMBINED COURSE IN PRE-FORESTRY AND FORESTRY STUDIES

FRESHMAN AND SOPHOMORE YEARS

The same schedule as in the Pre-Forestry course.

Summer Work

Students taking the Combined course are required to take ten weeks of work in the Yale School of Forestry Camp at Milford, Pennsylvania, during the summer between Sophomore and Junior years, and all who intend to enter the Yale School of Forestry are advised to do so. The studies at Milford comprise Field Surveying, Forest Surveying, Forest Mensuration, and Field Dendrology.

JUNIOR YEAR

First term

	Rec. Lect.	Hours per week			Total
		Lab. Field	Prep.		
Plant Morphology and Anatomy (Biol. 61).....	2	4	3		9
Entomology (Biol. 24).....	2	4	3		9
Physical Geology (Geol. 1).....	2	..	4		6
Drawing (Draw. 2).....	2	4	..		6
Economics (Soc. Sci. 30).....	3	..	4½		7½
Surveying, Office Work (F)*.....	..	6	4		10

* All subjects marked (F) are School of Forestry studies.

Second term

	Hours per week			
	Rec. Lect.	Lab. Field	Prep.	Total
Plant Morphology and Anatomy (Biol. 61).....	2	4	3	9
Plant Ecology (Biol. 62).....	2	4	3	9
Field Zoology (Biol. 21).....	2	4	2	8
Historical Geology (Geol. 2).....	2	..	4	6
Forest Entomology and Pathology (F)*.....	3	6	3	12
Forest Products (F)*.....	..	3	1	4

SENIOR YEAR

First term

	Hours per week			
	Rec. Lect.	Lab. Field	Prep.	Total
Local Dendrology (Biol. 65).....	..	3	1	4
Accounting (Bus. Ad. 2).....	3	..	3	6
Business Law (Bus. Ad. 5).....	3	..	4½	7½
Forest Physiography (F)*.....	2	2	2	6
Foundations of Silviculture (F)*.....	3	10	3	16
Forest Improvements (F)*.....	2	..	2	4
Forest Economics (F)*.....	1	..	1	2

Second term

Plant Physiology (Biol. 66).....	2	4	3	9
Forest Physiography (F)*.....	2	2	2	6
Treatment of Woodlands (F)*.....	4	10	4	18
Seeding and Planting (F)*.....	2	6	2	10
Wood Preservation and Mechanical Properties of Wood (F)*.....	2	..	2	4

ENGINEERING SCIENCE GROUP

12. ADMINISTRATIVE ENGINEERING

DIVISION OFFICER: Professor TILDEN.

The object of this course is to prepare men for executive and managerial positions for which a knowledge of engineering principles and methods is requisite. The course is not intended for those students who expect to become professional engineers in the field of design and construction, or for those students who expect to fill executive positions in which a knowledge of engineering is required equivalent to that ordinarily gained in any one of the regular Engineering courses.

The curriculum has been planned in accordance with the following principles:

* All subjects marked (F) are School of Forestry studies.

1. That the course shall include practically all of the general studies, such as English and History, now included in the other Engineering courses.

2. That opportunity shall be given for the study of foreign languages throughout the Junior and Senior years.

3. That the course shall include the same fundamental sciences now included in the other Engineering courses, but that in some subjects, such as Mathematics and Physics, the work shall be somewhat less extensive.

4. That the course shall include training in fundamental engineering subjects, such as Engineering Drawing, Engineering Mechanics, and Strength of Materials.

5. That courses in all other engineering subjects shall be planned to prepare men for executive positions rather than for work in design and construction.

6. That more time be devoted to subjects relating to business than can be given to such subjects in the regular Engineering courses.

7. That in common with all Engineering students, those who elect the course in Administrative Engineering shall be required to spend at least four weeks of each summer vacation in summer work.

ADMINISTRATIVE ENGINEERING

FRESHMAN YEAR

Studies of Group III

Summer Work

Plane Surveying (C. E. 11). Four weeks during the summer between Freshman and Sophomore years, beginning in June immediately after the last examination of the Freshman class.

SOPHOMORE YEAR

First term

	Hours per week				
	Rec.	Lect.	Applied Work*	Prep.	Total
English (Engl. 20)	2	..	..	4	6
Physics (Phys. 10A, 11)	3	1	6	4	14
Mathematics (Math. 2)	3	..	..	6	9
Drawing (Draw. 31)	1	1	4	..	6
Engineering Mechanics (Eng. Mech. 4)	1	1	2	3	7
Engineering (M.E. 21) . . . . .	..	..	2	1	3

Second term

English (Engl. 22)	2	..	..	4	6
Physics (Phys. 12A, 13)	3	1	6	4	14
Mathematics (Math. 2)	3	..	..	6	9
Drawing (Draw. 31)	1	1	4	..	6
Engineering Mechanics (Eng. Mech. 4)	1	1	2	3	7
Engineering (E. E. 122) . . . . .	..	..	2	1	3

* Scheduled hours in designing, drawing, computation, or laboratory work.

Summer Work

Mechanical Technology (M. E. 10). Four weeks during the summer between Sophomore and Junior years, beginning 8 A. M., August 29, in 1921.

JUNIOR YEAR*First term*

	Rec.	Lect.	Hours per week		Total
			Applied	Prep.	
Economics (Soc. Sci. 30)	3	..	..	4½	7½
Materials and Design (Eng. Mech. 5) . . .	1	1	2	3	7
Power (A. E. 4)	2	1	3	5	11
Machinery (A. E. 5)	2	1	3	5	11
Elective A . . . . .	..	..	..	..	9

Second term

Business Finance (Bus. Ad. 1)	3	..	..	4½	7½
Metals and Alloys (Met. 252)	1	1	2	2	6
Power (A. E. 4)	2	1	3	5	11
Machinery (A. E. 5)	2	1	3	5	11
Elective A . . . . .	..	..	..	..	9

Summer Work

It is expected that arrangements may be made with large manufacturing concerns by which each student taking the Administrative Engineering course will be given preliminary training for executive positions. This work would be done during the summer vacation between the Junior and Senior years.

SENIOR YEAR*First term*

	Rec.	Lect.	Hours per week		Total
			Applied	Prep.	
Principles of Accounting (Bus. Ad. 2) . . .	3	..	..	3	6
Business Law (Bus. Ad. 5)	3	..	..	4½	7½
Statistics and Reports (Bus. Ad. 3)	3	..	..	4½	7½
Industrial Management (A. E. 3)	1	1	..	4	6
Engineering Economics (A. E. 1) . . . . .	..	1	2	..	3
Elective B . . . . .	..	..	..	..	6
Elective C . . . . .	..	..	..	..	9

Second term

Cost Analysis (Bus. Ad. 20)	3	..	..	3	6
Specifications and Contracts (A. E. 2) . . .	1	1	..	4	6
Labor Management and Industrial Problems	3	..	..	4½	7½
Industrial Management (A. E. 3)	1	1	..	4	6
Engineering Economics (A. E. 1) . . . . .	..	1	..	2	3
Elective B . . . . .	..	..	..	..	7½
Elective C . . . . .	..	..	..	..	9

* Scheduled hours in designing, drawing, computation, or laboratory work.

Elective A.

A course of nine hours per week to be chosen from one of the following groups:

A-1. Foreign Language

If a modern language is chosen, it must be continued through the Junior year. If a student begins a language (takes it for the first time), he must continue in that language for two years (Junior and Senior).

A-2. A subject in the field of Social Science, History and Business Administration, such, for example, as Industrial History of the United States, or a subject useful in business, such as Psychology. A list of such electives will be determined later.

A-3. Engineering Problems. The application of engineering principles and methods to such general engineering problems as the administrative engineer is likely to encounter.

Elective B:

A student may choose as Elective B a general course in any one of the Engineering departments to be planned with special reference to the needs of the administrative engineer. As illustrating the type course, the following are suggested:

Shop Equipment and Management in the Department of Mechanical Engineering.

General Contracting in the Department of Civil Engineering.

Electrical Industrial Applications in the Department of Electrical Engineering.

Elective C.

One of the following:

C-1. Foreign Language

A student will not be permitted as a rule to take any language in the Senior year in which he has not had a previous course equivalent to at least one year's work.

C-2. Transportation

Valuation and Public Service Regulation

Insurance

Other electives in this group to be determined.

C-3. A course in an engineering subject. The purpose of this elective is to permit a student, by special arrangement, to choose an engineering subject which will be of particular value to him in the work which he will take up after graduation.

C-4. Investigation or Research Work. This work to be undertaken only by exceptional students and only upon approval.

13. CIVIL ENGINEERING

DIVISION OFFICERS: Junior year, Assistant Professor C. T. BISHOP; Senior year, Professor TRACY.

The object of this course is to give first of all a thorough preparation in the fundamental principles and methods of the various branches of Civil Engineering, and afterwards as extensive practice in the practical application of those principles and methods as the time at disposal, the ability of the students, and the facilities and plant permit.

During the four undergraduate years all students in Civil Engineering take the same prescribed course of studies; these studies may be grouped under the following heads: (1) *General Studies* such as mathematics, mechanics, drawing, chemistry, physics, and other studies common to all the different courses in Engineering; (2) *Railroad Engineering*; (3) *Sanitary Engineering*; (4) *Structural Engineering*; (5) *Masonry Design and Construction, including Reinforced Concrete*; (6) *Highway Engineering*; (7) *Surveying*. This course leads to the degree of Bachelor of Science. Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION**.

Opportunity is offered for advanced work in Civil Engineering leading to a higher degree under the jurisdiction of the Graduate School. Detailed information on this point may be obtained from the Catalogue of the Graduate School.

CIVIL ENGINEERING

FRESHMAN YEAR

Studies of Group III

Summer Work

Plane Surveying (C. E. 11). Four weeks during the summer between Freshman and Sophomore years, beginning in June immediately after the last examination of the Freshman Class.

SOPHOMORE YEAR

The choice of courses in Engineering is to be made before the end of the first term, Sophomore year.

First term

	Rec.	Lect.	Hours per week		Prep.	Total
			Applied	Work*		
English (Engl. 20).....	2	..	..	4	6	
Physics (Phys. 30, 31).....	4	1	6	6	17	
Mathematics (Math. 21).....	4	..	2	7	13	
Drawing (Draw. 2).....	1	1	4	..	6	
Engineering (M. E. 21).....	..	..	2	1	3	

* Scheduled hours in drawing, computation and laboratory.

Second term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep	
English (Engl. 22).....	2	..	..	4	6
Physics (Phys. 32, 33).....	4	1	6	6	17
Mathematics (Math. 21).....	4	..	2	7	13
Drawing (Draw. 3).....	..	1	5	..	6
Engineering (E. E. 122).....	..	..	2	1	3

Summer Work

Topographic Surveying (C. E. 12). Four weeks during the summer between Sophomore and Junior years. Work is conducted at the Summer Engineering Camp, East Lyme, Conn. In 1921 the course will begin at 8 A. M., Monday, August 29. Students should arrive at camp not later than Saturday afternoon, August 27.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Physics (Phys. 34, 35).....	2	1	3½	3	9½
Mechanics (Eng. Mech. 1).....	1	1	2	4	8
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
Hydraulics (Eng. Mech. 2).....	2	..	3½	3	8½
Geology (Geol. 1).....	2	..	..	3	5
Structural Drafting (C. E. 64).....	..	1	5	..	6
Seminary (C. E. 71).....	1	..	..	..	1

Second term

Mechanics (Eng. Mech. 1).....	2	1	2	6	11
Business Finance (Bus. Ad. 1).....	3	..	..	4	7
Stresses (C. E. 61).....	2	..	3	..	5
Sanitary Engineering (C. E. 53).....	3	3	6	3	15
Highway Engineering (C. E. 35).....	2	1	1	3	7
Seminary (C. E. 71).....	1	..	..	..	1

Summer Work

Railway Surveying (C. E. 13). Four weeks during the summer between Junior and Senior years. In 1921 this course will be replaced by Topographic Surveying, C. E. 12 (see above).

* Scheduled hours in drawing, computation, or laboratory.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week Applied Work*	Prep.	Total
Stresses (C. E. 61).....	2	..	4½	..	6½
Railway Engineering (C. E. 34).....	3	1	4	4	12
Materials (Eng. Mech. 3, and Met. 251).....	2	1	3	3	9
Electrical Engineering (E. E. 242).....	2	1	3	3	9
Accounting (Bus. Ad. 2).....	3	..	..	3	6
Seminary (C. E. 71).....	1	..	..	1	2

Second term

Structural Engineering (C. E. 65).....	..	3	9	..	12
Masonry (C. E. 67).....	1	1	8	2	12
Specifications (C. E. 81).....	1	..	..	2	3
Materials (Eng. Mech. 3, and Met. 251).....	2	1	3	3	9
Accounting (Bus. Ad. 20).....	3	..	..	3	6
Seminary (C. E. 71).....	1	..	..	1	2

14. ELECTRICAL ENGINEERING

DIVISION OFFICERS: Junior year, Assistant Professor BOZELL; Senior year, Professor SCOTT.

The object of the course of instruction in Electrical Engineering is to give first of all a thorough preparation in the fundamentals of all engineering and to develop an engineering attitude on the part of the student; second, to give an adequate knowledge of the physical theories which form the basis of applied electricity. Supplementing these, the course gives opportunity to obtain a working ability in Electrical Engineering subjects and to obtain a general knowledge of those allied subjects most directly related to the work of Electrical Engineers.

The undergraduate course covers four years, the first of which is the Freshman year of Yale University. During the Sophomore year in the Sheffield Scientific School, Electrical Engineering, Civil Engineering, and Mechanical Engineering students pursue the same prescribed course of studies. During the third and fourth years the course covers advanced general subjects, such as Mechanics and Strength of Materials, Economics, Business Finance, and Accounting, in common with other Engineering courses, and special subjects emphasizing Electrical Engineering, with opportunity for subjects in other Engineering departments. In the fourth year some option in

* Scheduled hours in designing, drawing, computation, or laboratory work.

the choice of studies may be exercised by the student, as seen in the scheme of studies following.

At the end of the four-year course the degree of Bachelor of Science is granted. Details regarding the studies pursued are given under **SUBJECTS OF INSTRUCTION.**

Opportunity is offered under the jurisdiction of the Graduate School for advanced work in Electrical Engineering, leading to a higher degree. Detailed information on this point may be obtained in the Catalogue of the Graduate School.

ELECTRICAL ENGINEERING

FRESHMAN YEAR

Studies of Group III

Summer Work

Plane Surveying (C. E. 11). Four weeks during the summer between Freshman and Sophomore years beginning in June immediately after the last examination of the Freshman class.

SOPHOMORE YEAR

The choice of courses in Engineering is to be made before the end of the first term, Sophomore year.

First term

	Rec.	Lect.	Hours per week Applied		Total
			Work*	Prep.	
English (Engl. 20).....	2	..	..	4	6
Physics (Phys. 30, 31).....	4	1	6	6	17
Mathematics (Math. 21).....	4	..	2	7	13
Drawing (Draw. 2).....	1	1	4	..	6
Engineering (M. E. 21).....	..	..	2	1	3

Second term

English (Engl. 22).....	2	..	..	4	6
Physics (Phys. 32, 33).....	4	1	6	6	17
Mathematics (Math. 21).....	4	..	2	7	13
Drawing (Draw. 3).....	..	1	5	..	6
Engineering (E. E. 122).....	..	..	2	1	3

Summer Work

Mechanical Technology (M. E. 10). Four weeks during the summer between Sophomore and Junior years, beginning at 8 A. M., Monday, August 29, in 1921.

* Scheduled hours in drawing, computation, or laboratory work.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Physics (Phys. 34, 35).....	2	1	3½	3	9½
Mechanics (Eng. Mech. 1).....	1	1	2	4	8
Thermodynamics (M. E. 31).....	3	..	2	4	9
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
Direct Current Machinery (E. E. 132) ..	2	1	5	2	10
Seminary (E. E. 131).....	1	..	..	1	2

Second term

Mechanics (Eng. Mech. 1).....	2	1	2	6	11
Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½
Heat Engines (M. E. 32).....	3	..	2	4	9
Alternating Current Circuits (E. E. 133)	3	1	2	3	9
Alternating Current Circuits, Laboratory (E. E. 134).....	..	..	5	2½	7½
Seminary (E. E. 131).....	1	..	..	1	2

Summer Work

Electrical Engineering Testing (E. E. 139). Four weeks during the summer between Junior and Senior years.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Accounting (Bus. Ad. 2).....	3	..	..	3	6
Materials (Eng. Mech. 3, and Met. 251).	2	1	3	3	9
Alternating Current Machinery (E. E. 142).....	3	1	2	3	9
Electrical Engineering, Laboratory (E. E. 143).....	..	..	5	2	7
Electrical Engineering Practice (E. E. 144).....	..	..	4	..	4
†Power Engineering (M. E. 33).....	2	1	3	3	9
Seminary (E. E. 141).....	1	..	..	1	2

Second term

Accounting (Bus. Ad. 20).....	3	..	..	3	6
Materials (Eng. Mech. 3, and Met. 251).	2	1	3	3	9
Electrical Engineering Practice (E. E. 144).....	..	..	4	..	4
†Power Engineering (M. E. 33).....	2	1	3	3	9

* Scheduled hours in computation, drawing, design, or laboratory work.

† With the consent of his Division Officer the student may omit M. E. 33 and sub-

Second term (cont.)

	Rec.	Lect.	Hours per week		Total
			Applied	Prep.	
†Advanced Dynamo Machinery (E. E. 145).....	3	1	2	3	9
†Advanced Dynamo Machinery, Laboratory (E. E. 146).....	..	..	5	2	7
Seminary (E. E. 141).....	1	..	..	1	2
Inspection Trip (E. E. 149) one week.					

15. MECHANICAL ENGINEERING

DIVISION OFFICERS: Junior year, Assistant Professor STETSON; Senior year, Assistant Professor SEWARD.

The object of this course is to give to its students a thorough training in the fundamental sciences related to Mechanical Engineering and in the theoretical principles underlying the design, construction and operation of machinery and the economic generation, transmission and use of power.

The undergraduate course covers four years, the first of which is the Freshman year of Yale University. The Sophomore year in the Sheffield Scientific School is identical for students pursuing the courses of study in Electrical Engineering, Civil Engineering, and Mechanical Engineering. In the third and fourth years are included such advanced general subjects as Mechanics, Strength of Materials, Economics, and Business Finance in common with other Engineering courses and also such special subjects related to Mechanical Engineering as Power Engineering, Machine Design, and Industrial Management. The arrangement of these courses is shown in the accompanying table. At the end of the four-year course the degree of Bachelor of Science is granted. Detailed description of the courses given in the undergraduate work in Mechanical Engineering will be found under SUBJECTS OF INSTRUCTION.

Opportunity is offered for advanced work in Mechanical Engineering leading to a higher degree under the jurisdiction of the Graduate School. A description of these courses will be found in the Catalogue of the Graduate School.

stitute E. E. 147 and E. E. 148, Telephone and Telegraph Engineering and Radio Engineering respectively, or Physics 60, Theory of Electricity and Magnetism, or Mathematics 3, or Foreign Language, or Engineering Mechanics and Hydraulics, or Industrial Management, or other subjects as approved.

† With the consent of his Division Officer the student may omit E. E. 145 and E. E. 146 and substitute E. E. 147 and E. E. 148, Telephone and Telegraph Engineering and Radio Engineering respectively.

MECHANICAL ENGINEERING

FRESHMAN YEAR

Studies of Group III

Summer Work

Plane Surveying (C. E. 11). Four weeks during the summer between Freshman and Sophomore years beginning in June immediately after the last examination of the Freshman Class.

SOPHOMORE YEAR

The choice of courses in Engineering is to be made before the end of the first term, Sophomore year.

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
English (Engl. 20).....	2	..	..	4	6
Physics (Phys. 30, 31).....	4	1	6	6	17
Mathematics (Math. 21).....	4	..	2	7	13
Drawing (Draw. 2).....	1	1	4	..	6
Engineering (M. E. 21).....	..	..	2	1	3

Second term

English (Engl. 22).....	2	..	..	4	6
Physics (Phys. 32, 33).....	4	1	6	6	17
Mathematics (Math. 21).....	4	..	2	7	13
Drawing (Draw. 3).....	..	1	5	..	6
Engineering (E. E. 122).....	..	..	2	1	3

Summer Work

Mechanical Technology (M. E. 10). Four weeks during the summer between Sophomore and Junior years, beginning at 8 A. M., Monday, August 29, in 1921.

JUNIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Physics (Phys. 34, 35).....	2	1	3½	3	9½
Mechanics (Eng. Mech. 1).....	1	1	2	4	8
Thermodynamics (M. E. 31).....	3	..	2	4	9
Economics (Soc. Sci. 30).....	3	..	..	4½	7½
Kinematics and Machine Design (M. E. 40).....	1	1	6	2	10
Seminary (M. E. 80).....	1	..	..	1	2

* Scheduled hours in drawing, computation, or laboratory.

Second term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Mechanics (Eng. Mech. 1).....	2	1	2	6	11
Electrical Machinery (E. E. 231).....	2	1	4½	2	9½
Heat Engines (M. E. 32).....	3	..	2	4	9
Business Finance (Bus. Ad. 1).....	3	..	..	4½	7½
Kinematics and Machine Design (M. E. 40).....	1	1	4	1	7
Seminary (M. E. 80).....	1	..	..	1	2

Summer Work

Shops or Laboratory (M. E. 20). Four weeks during the summer between Junior and Senior years.

SENIOR YEAR

First term

	Rec.	Lect.	Hours per week		Total
			Applied Work*	Prep.	
Machine Design (M. E. 41).....	1	..	4	1	6
Power Engineering (M. E. 33).....	2	1	3	3	9
Electrical Engineering (E. E. 241).....	2	..	3	1	6
†Shop Equipment (M. E. 12).....	2	1	..	4	7
†Hydraulics (Eng. Mech. 2).....	3	..	1½	4½	9
Accounting (Bus. Ad. 2).....	3	..	..	3	6
Materials (Eng. Mech. 3, and Met. 251).....	2	1	3	3	9
Seminary (M. E. 81).....	1	..	..	1	2

Second term

Machine Design (M. E. 41).....	1	..	4	1	6
Power Engineering (M. E. 33).....	2	1	3	3	9
Electrical Engineering (E. E. 241).....	2	..	3	1	6
†Industrial Management (M. E. 13)....	2	1	..	4	7
†Mechanics of Machinery (M. E. 51)...	2	1	2	4	9
Accounting (Bus. Ad. 20).....	3	..	..	3	6
Materials (Eng. Mech. 3, and Met. 251).....	2	1	3	3	9
Seminary (M. E. 81).....	1	..	..	1	2

Inspection Trip (M. E. 11) one week.

* Scheduled hours in computation, drawing, design, or laboratory work.

† One to be elected.

SUBJECTS OF INSTRUCTION

The subjects of instruction in the Sheffield Scientific School are arranged in the following groups, corresponding in general with the Departments of Study in the University:

LANGUAGE AND LITERATURE:

- I. *English*
- II. *German*
- III. *French*
- IV. *Spanish*

SOCIAL AND POLITICAL SCIENCE, HISTORY, AND BUSINESS ADMINISTRATION:

- V. *Social and Political Science and Economics*
- VI. *History*
- VII. *Business Administration*

MATHEMATICS, PHYSICS, AND CHEMISTRY:

- VIII. *Mathematics*
- IX. *Physics*
- X. *Chemistry*

BIOLOGICAL SCIENCES:

- XI. *Biology, Zoology, and Comparative Anatomy*
- XII. *Physiology and Physiological Chemistry*
- XIII. *Botany*
- XIV. *Bacteriology*

GEOLOGICAL SCIENCES:

- XV. *Geology, Paleontology, and Mineralogy*

MINING AND METALLURGY:

- XVI. *Mining*
- XVII. *Metallurgy*

ENGINEERING STUDIES:

- XVIII. *Engineering Mechanics*
- XIX. *Drawing*
- XX. *Administrative Engineering*
- XXI. *Civil Engineering*
- XXII. *Electrical Engineering*
- XXIII. *Mechanical Engineering*

LANGUAGE AND LITERATURE

I. ENGLISH

Professor NETTLETON; Assistant Professors CANBY, CRAWFORD, DURHAM; Dr. BUELL, Mr. ELLIS, Dr. HENDERSON, Dr. PERRY, and Dr. VANWINKLE.

The study of English is required of all members of the School.

The courses in English Composition combine theory, example, and practice. In Sophomore year, special attention is given, in the first term, to report-making, précis writing, filing, note-taking, and, in general, to the special needs in English of the scientific man. In the second term, various courses will be offered in which there is opportunity to combine directed reading in modern literature with extensive practice in writing. At the end of Sophomore year, a general examination in free writing must be passed by each student, in addition to the regular course examinations.

The time stated, unless otherwise indicated, includes preparation.

English 20.

A course for Sophomores in the engineering group. First term, six hours.

English 21.

A course for Sophomores in the natural science group. First term, six hours.

English 22.

A general course given in the second term of Sophomore year. Second term, six hours.

English 22a.

A course similar in nature to English 21 and 22 extending through both Sophomore and Junior years. Both terms, two hours.

English 23.

At the end of Sophomore year, a general examination in writing will be given to all who are not especially excused. Those who fail in this examination will be given other opportunities to pass, and, where advisable, special instruction by the English Department. The requirements for English 23 must be satisfied before graduation; otherwise the degree will be withheld on account of illiteracy.

FOREIGN LANGUAGES

Instruction in French, German, or Spanish, at the choice of the student, is included in the curriculum of all courses in Natural Science, and while not forming a required part of Engineering study, may be elected by such Engineering students as find in their programmes of work enough free hours for its pursuit.

Each of the subjects in Modern Language requires three hours of recitations and six hours of preparation per week for both terms.

II. GERMAN

Professor CORWIN; Assistant Professors SCHREIBER, BENSON; and Dr. SPAULDING.

This department has a twofold purpose: to prepare the student to use the language easily and intelligently for those purposes which his course of study may require, and to supplement the practical training of his special studies by some discipline in linguistic and literary study.

While it is not a primary aim, the course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts, both by instructor and student, and by oral exercises based on the reading of the day. The cycle of texts used differs somewhat with each class. The plan is to familiarize the student with some of the best specimens of modern prose. The aim in this selection is to introduce him to a sufficient number and variety of works to overcome the usual difficulties of style and vocabulary.

German 1.

Elementary course for students who have not offered this subject in examinations for admission. Dr. SPAULDING.

German 2.

This course is a continuation of the foregoing. Prerequisite: German 1. Dr. SPAULDING.

German 3.

The work of this course consists of the study of as large a body as possible of modern narrative prose of a general character. Prerequisite: German 2 or German (a) offered in examination for admission. Assistant Professor SCHREIBER.

German 5. Scientific German.

This is a reading course intended for students desiring a general knowledge of technical German. Prerequisite: German 3 or its equivalent. Assistant Professor BENSON.

German 6. Advanced Scientific German.

This is a course of more rapid, specific reading, and more thorough drill, in Chemical and Biological German, intended to meet the ordinary requirements of students specializing in Chemistry, Biology, or Medicine. Open to all students who have had one year of Scientific German, and to others, especially qualified, with the permission of the instructor. Assistant Professor BENSON.

III. FRENCH

Professor CLARKE; Mr. BABCOCK, Mr. GRIMM, Mr. MAIRE, Mr. RICHARDSON, and Dr. WISEWELL.

The chief purpose of the instruction in French is to give such a reading knowledge of the language as will be of use to the student in

scientific or other investigation, both while in the University and in after life. At the same time careful attention is devoted to imparting a correct pronunciation so that in case of subsequent study of French no time need be lost in the repetition of elementary work. The value of the course as a means to general culture is always kept in view.

For students especially desiring to learn to speak French every effort is made to develop as much ability to express themselves in the language as classroom work can accomplish. Admission to conversation classes and continuance in them is conditioned upon previous record of superior work in French and upon its maintenance.

French 1.

Elementary course for students beginning the study of the language.

French 2.

This course is a continuation of the foregoing. Prerequisite: French 1 (either of the Freshman Year or of the Sheffield Scientific School) or French (a) offered in examination for admission to the Freshman Year.

French 3 and French 4.

Courses more advanced than the foregoing, adapted to the needs of students requiring either better reading ability, or wishing to gain wider knowledge of French writers and France. Prerequisites: French 2 and French 3, respectively, either of the Freshman Year or of the Sheffield Scientific School.

French 20. Conversational.

The work of this course begins with a brief review of grammar and is strictly conversational in character. Prerequisite: French 1 or French (a) offered in examination for admission (as in French 2).

French 30 and French 40. Conversational.

Courses to follow French 20 in natural order. In French 40 informal talks on French history, current events, etc., will be given in that language.

IV. SPANISH

Professor LUQUIENS; Mr. ARRATIA, Mr. GORMAN, and Mr. HALL.

The aim of the instruction in Spanish is twofold: first, to give the students the ability to use the spoken language for practical purposes; second, to give them some definite ideas of Spanish-American geography, history, and trade.

Spanish 1.

Grammar, reading, and practice in simple spoken Spanish.

Spanish 2.

This course is a continuation of the foregoing. Prerequisite: Spanish 1 (either Freshman Year or Sheffield Scientific School) or Spanish (a) offered for admission to the Freshman Year.

Spanish 3.

A course in conversational Spanish. Prerequisite: Spanish 2 (either Freshman Year or Sheffield Scientific School) or Spanish (b) offered for admission to the Freshman Year.

**SOCIAL SCIENCE, HISTORY, AND BUSINESS
ADMINISTRATION**

V. SOCIAL AND POLITICAL SCIENCE

Professors T. S. ADAMS, BISHOP; Assistant Professor BIDWELL; Dr. HAVEMEYER, and Mr. KAYDEN.

Social Science 1. Anthropology.

Both terms, recitations two hours. Dr. HAVEMEYER. [*Discontinued after June, 1921.*]

Social Science 2. Economic Geography.

Both terms, recitations two hours, preparation three hours. Professor A. L. BISHOP and Dr. HAVEMEYER.

Social Science 3. Principles of Economics.

First term, five hours. Professor ADAMS, Assistant Professor BIDWELL, and Mr. KAYDEN. [*Discontinued after June, 1921.*]

Social Science 30. Economics.

A briefer course in economic principles for engineers. Required of all engineering students taking courses in Business Administration. First term, recitations three hours, preparation four and one-half hours. Professor ADAMS and Mr. KAYDEN.

Social Science 31. Economic Problems.

This is a continuation of Social Science 3 and is an application of the principles there studied to concrete problems. Second term, recitations three hours, preparation four and one-half hours. Professor ADAMS and Mr. KAYDEN. [*Discontinued after June, 1921.*]

Social Science 32. Railroad Transportation.

Second term, two hours. [*Discontinued after June, 1921.*]

Social Science 4. Government.

The course in American history serves as a preparation for this course. Both terms, two hours. Assistant Professor BIDWELL. [*Discontinued after June, 1921.*]

Social Science 5. Science of Society.

This course is based upon the information and principles gained in the course in Anthropology. First term, three hours. Professor KELLER. [*Discontinued after June, 1921.*]

Social Science 6. Economic and Social History of the United States since 1860

Instruction will take the form of lectures with a large amount of collateral reading. Second term, three hours. Assistant Professor BIDWELL. [*Discontinued after June, 1921.*]

VI. HISTORY

Assistant Professor PITMAN.

A knowledge of American history and government is required of all students in the Sheffield Scientific School. This requirement may be met through passing a satisfactory entrance examination in American history and government in June or September of any year.

The Farnam Reference Library, now in Byers Memorial Hall, provides facilities which make assignments in a wide range of books possible.

History 3. Modern European History.

For Seniors, both terms, three hours. Assistant Professor PITMAN. [Discontinued after June, 1921.]

VII. BUSINESS ADMINISTRATION

Professor BISHOP; Assistant Professor SALIERS; and Mr. ADAMS.

The underlying purpose of the work here offered is to afford suitable facilities for the study of business principles and methods to upper-classmen enrolled in the various courses of instruction, in both the Natural Science and Engineering groups. Some of the subjects of study outlined below are prescribed for all students enrolled in certain courses while others are elective.

Business Administration 1. Business Finance.

Prerequisite: Social Science 30. Second term, lectures and recitations three hours, preparation four and one-half hours.

Business Administration 2. Principles of Accounting.

First term, lectures and laboratory four hours, preparation two hours.

Business Administration 20. Cost Analysis.

Second term, lectures and laboratory four hours, preparation two hours.

Business Administration 3. Statistics and Reports.

Second term, lectures and recitations three hours, preparation four and one-half hours.

Business Administration 4. Insurance.

First term, lectures and recitations three hours, preparation four and one-half hours.

Business Administration 5. Business Law.

First term, lectures and recitations three hours, preparation four and one-half hours.

Business Administration 6. Domestic and Foreign Commerce.

First term, lectures and recitations three hours, preparation four and one-half hours. [Omitted in 1921-22.]

MATHEMATICS, PHYSICS, AND CHEMISTRY

VIII. MATHEMATICS

Professors SMITH, LONGLEY; Assistant Professors MILES, WHITTEMORE; Mr. BETZ, Mr. MIKESH, Mr. PEABODY, and Dr. STETSON.

The studies in Mathematics are adapted to the needs of the courses in Engineering and in Natural Science. Whenever possible, classroom

periods of two hours' duration are utilized for the purpose of supervision by the instructor of work in computation done by the student.

Mathematics 2.

For Sophomores in Chemistry, Industrial and Engineering Chemistry, Mining and Metallurgy. Both terms, recitations three hours, preparation six hours. Professors SMITH and LONGLEY, and Dr. STETSON.

Mathematics 21.

Same as Mathematics 2 but somewhat more comprehensive. For Sophomores in engineering science. Both terms, recitations four hours, one computation period two hours, preparation seven hours. Professor SMITH, Assistant Professor WHITTEMORE, Mr. BETZ, and Mr. PEABODY.

Mathematics 22.

For Sophomores in Administrative Engineering. Both terms, recitations three hours, preparation six hours. Assistant Professor MILES, Mr. BETZ, and Mr. MIKESH.

Mathematics 3.

This course is designed to meet the needs of certain groups of students who may intend to pursue graduate study or specialized work requiring more mathematics than is given in the general course of the first two years. This course is an elective for engineering students having satisfactory credits for the mathematics of Freshman and Sophomore years. Both terms, recitations two hours, preparation four hours. Assistant Professor MILES.

IX. PHYSICS

Professor ZELENY; Assistant Professors BEACH, KOVARIK, PAGE, WHEELER; Dr. COOKSEY, Dr. COOPER, Mr. FOSTER, Dr. GREEN, Mr. RYSGAARD, and Mr. SOUTHWORTH.

Courses 10, 11, 12, and 13 are required of all Sophomores in the Natural Science Group.

Courses 10A, 11, 12A, and 13 are required of all Sophomores in Administrative Engineering.

Physics 10. Mechanics, Heat, and Sound.

First term, recitations three hours, lecture one hour, preparation four hours. Professor ZELENY, Assistant Professor BEACH, and Dr. COOPER.

Physics 10A. Mechanics, Heat, and Sound.

Same as Physics 10 with the addition of one two-hour problem period per week. First term, recitations three hours, lecture one hour, problem period two hours, preparation four hours. Professor ZELENY, Dr. COOPER, and Dr. GREEN.

Physics 11. Physical Laboratory.

Given in connection with Physics 10 and 10A. First term, four hours. Assistant Professor BEACH, Dr. COOPER, Dr. GREEN, Mr. FOSTER, and Mr. RYSGAARD.

Physics 12. Light, Electricity, and Magnetism.

A continuation of Physics 10. Sophomore year, second term, recitations

three hours, lecture one hour, preparation four hours. Professor ZELENY, Assistant Professor BEACH, and Dr. COOPER.

Physics 12A. Light, Electricity, and Magnetism.

Same as Physics 12 with addition of one two-hour problem period per week. Second term, recitations three hours, lecture one hour, problem period two hours, preparation four hours. Professor ZELENY, Dr. COOPER, and Dr. GREEN.

Physics 13. Physical Laboratory.

Given in connection with Physics 12 and 12A. Sophomore year, second term, four hours. Assistant Professor BEACH, Dr. COOPER, Dr. GREEN, Mr. FOSTER, and Mr. RYSGAARD.

Courses 30, 31, 32, 33, 34, and 35 are required of all students in Civil, Mechanical, and Electrical Engineering.

Physics 30. Mechanics and Heat.

Sophomore year, first term, recitations four hours, one problem period two hours, lecture one hour, preparation six hours. Assistant Professors KOVARIK and PAGE, and Dr. COOKSEY.

Physics 31. Physical Laboratory.

Given in connection with Physics 30. Sophomore year, first term, four hours. Assistant Professor KOVARIK and Mr. FOSTER.

Physics 32. Electricity and Magnetism.

Prerequisite: Physics 30. Sophomore year, second term, recitations four hours, one problem period two hours, lecture one hour, preparation six hours. Assistant Professors KOVARIK and PAGE, and Dr. COOKSEY.

Physics 33. Physical Laboratory.

A continuation of Physics 31. Prerequisite: Physics 31. Given in connection with Physics 32. Sophomore year, second term, four hours. Assistant Professor KOVARIK and Mr. FOSTER.

Physics 34. Sound and Light.

Prerequisite: Physics 32. Junior year, first term, recitations two hours, preparation three hours. Professor ZELENY and Mr. SOUTHWORTH.

Physics 35. Physical Laboratory.

A continuation of Physics 33. Prerequisite: Physics 33. Given in connection with Physics 34. Junior year, first term, three and one-half hours. Assistant Professor BEACH and Mr. SOUTHWORTH.

The following are Advanced Courses:

Physics 60. Theory of Electricity.

Prerequisites: Physics 34, 35. Elective Senior E. E. Both terms, recitations three hours, preparation six hours. Assistant Professor WHEELER.

Physics 61. Advanced Electrical Measurements.

Accompanies Physics 60. Both terms, three hours. Assistant Professor WHEELER.

X. CHEMISTRY

Professors JOHNSTON, JOHNSON, BOLTWOOD, FOOTE, WALDEN, WELLS; Assistant Professors BROWNING, HILL, MCFARLAND, SAXTON, VANNAME; Mr. DONLEAVY, Mr. FISCHER, and Mr. READ.

COURSES IN ELEMENTARY CHEMISTRY

The fundamental courses in Elementary Chemistry are given under the direction of the Faculty of the Freshman Year and are described in the Catalogue of the Freshman Year.

COURSES IN ANALYTICAL CHEMISTRY

Professors WELLS and FOOTE, and Assistant Professor BROWNING.

Chemistry 2. Qualitative Analysis.

Both terms, lecture and recitation one hour, laboratory six hours, preparation one hour.

Chemistry 3, 30, 33. Quantitative Analysis.

This subject is pursued in a series of connected courses in the Chemistry course, and for one term in the other courses as outlined below.

Chemistry 3. Gravimetric Analysis.

Both terms, lectures or recitations two hours, laboratory nine hours, preparation one hour.

Chemistry 30. Quantitative Analysis.

Second term, lecture one hour, laboratory six hours, preparation two hours.

Chemistry 33. Volumetric Analysis.

For Seniors in Chemistry. First term, lecture one hour, laboratory six hours, preparation one hour.

Chemistry 37. Gas Analysis.

Six lectures during second term.

Chemistry 38. Advanced Analytical Chemistry.

An elective course of lectures on the subject in general. The lectures are illustrated by experiments, and many of the rare elements are included. Second term, one hour.

COURSES IN ORGANIC CHEMISTRY

Professor T. B. JOHNSON; Assistant Professor HILL; Mr. DONLEAVY, and Mr. FISCHER.

Chemistry 4. Elementary Organic Chemistry.

Both terms, recitations three hours, laboratory three hours, preparation six hours.

Chemistry 41. Elementary Organic Chemistry.

For Pre-Medical students. Both terms, recitations three hours, laboratory four hours, preparation five hours.

Chemistry 42. Elementary Organic Chemistry.

For men who are not pursuing courses of study in the Natural Science group. Both terms, recitations two hours, laboratory three hours.

ADVANCED ORGANIC CHEMISTRY

Chemistry 44. Advanced Organic Chemistry.

An advanced undergraduate course in theoretical and practical organic chemistry. First term, recitations two hours; second term, recitations two hours, lecture one hour, laboratory thirteen hours; both terms, preparation two hours.

Chemistry 45. Organic Chemistry.

An advanced course. For Seniors in Industrial and Engineering Chemistry. First term, recitations two hours, preparation three hours.

COURSES IN GENERAL AND PHYSICAL CHEMISTRY

Professor FOOTE; Assistant Professors VANNAME and SAXTON.

Chemistry 5. General and Physical Chemistry.

Both terms, recitations three hours, preparation six hours.

Chemistry 51. Elementary Physical Chemistry.

Both terms, recitations two hours, laboratory three hours, preparation four hours.

COURSES IN INDUSTRIAL CHEMISTRY

Mr. READ.

Chemistry 6. Industrial Chemistry.

Both terms, lectures and recitations three hours, preparation five hours.

Chemistry 65. Industrial Analysis.

For Juniors in Industrial and Engineering Chemistry. Second term, lecture one hour, laboratory six hours, preparation two hours.

Chemistry 66. Industrial Analysis.

For Seniors in Chemistry. First term, lecture one hour, laboratory six hours, preparation one hour.

Chemistry 67. Industrial Analysis.

This is an elective course, arranged entirely for engineering students. Open to advanced engineering students. First term, laboratory three hours, lecture one hour. [Omitted in 1921-22.]

Chemistry 69. Sanitary Water Analysis.

This course is elective for candidates for the degrees of Doctor of Philosophy and Master of Science, and for the Certificate in Public Health. It may be taken by Seniors in Chemistry and Industrial and Engineering Chemistry and advanced students in the Engineering courses. Second term, laboratory three hours, recitation one hour.

Chemistry 70. Chemical Technology.

This course is arranged entirely for Seniors in Industrial and Engineering

Chemistry. Both terms, recitation one hour, laboratory six hours, preparation one hour.

SEMINAR COURSES

Chemistry 80. Chemical Seminar.

For Seniors in Chemistry. Both terms, two hours.

Chemistry 81. Engineering Chemistry Seminar.

For Seniors in Industrial and Engineering Chemistry. Both terms, two hours.

BIOLOGICAL SCIENCES

XI. BIOLOGY, ZOOLOGY, AND COMPARATIVE ANATOMY

Professors COE, HARRISON, PETRUNKEVITCH, WOODRUFF; Assistant Professors BAITSELL, LAURENS; and Dr. SWINGLE.

Biology 1. General Biology.

Both terms, lectures and recitations two hours, laboratory three hours, preparation four hours. Professor WOODRUFF, Assistant Professors LAURENS and BAITSELL, Dr. SWINGLE, and Mr. HILL.

Biology 11. Elementary Biology.

A brief course exclusively for men who have taken Elementary Botany (Biol. 6) during the first term. Second term, lectures and recitations two hours, laboratory three hours, preparation four hours. Professor WOODRUFF and Assistant Professors LAURENS and BAITSELL.

Biology 21. Field Zoology.

An elementary course. Second term, lectures and recitations two hours, laboratory and field four hours. Professor PETRUNKEVITCH.

Biology 22. Comparative Anatomy.

For students preparing for medicine or for advanced work in anatomy and zoology. Second term, lectures and recitations three hours, laboratory six hours, preparation three hours. Professor PETRUNKEVITCH and Dr. SWINGLE.

Biology 23. Embryology.

Prerequisite: Biology 26. Second term, lectures and recitations two hours, laboratory four hours, preparation three hours. Assistant Professor BAITSELL.

Biology 24. Elementary Entomology.

First term, lectures and recitations two hours, laboratory four hours, preparation three hours. Professor PETRUNKEVITCH.

Biology 25. Forest Entomology.

First half of second term, lectures and recitations three hours, laboratory six hours, preparation three hours. Professor COE.

Biology 26. Histology.

First term, lectures or recitations two hours, laboratory four hours, preparation three hours. Professor COE.

Biology 28. Parasitology.

Prerequisite: Biology 26. First term, lectures two hours, laboratory four hours, preparation three hours. Professor PETRUNKEVITCH.

Biology 33. Genetics.

First term, lectures and recitations two hours, laboratory four hours, preparation three hours. Professor COE.

Biology 35. General Physiology.

Prerequisite: Biology 26. First term, lectures two hours, laboratory four hours, preparation three hours. Assistant Professor LAURENS.

Biology 36. Biology of the Protozoa.

Prerequisite: Biology 22. First term, lectures two hours, laboratory four hours, preparation three hours. (May be taken only with the consent of the instructor.) Professor WOODRUFF.

Biology 38. Comparative Physiology.

Prerequisite: Biology 22. Second term, lectures two hours, laboratory four hours, preparation three hours. (May be taken only with the consent of the instructor.) Assistant Professor LAURENS.

XII. PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors CHITTENDEN, MENDEL; and Dr. SMITH.

Biology 4. Elementary Physiology.

Professor _____

Biology 5. Physiological Chemistry.

A knowledge of Inorganic and Organic Chemistry (Chem. 1, 2, 4), and Elementary Biology (Biol. 1) is essential. First term, recitations and lectures two hours, laboratory ten hours, preparation four hours. Professor MENDEL and Dr. SMITH.

Biology 51. Physiological Chemistry (Advanced Course).

A continuation of Biology 5. Primarily for graduate students who have completed Biology 5. Second term, hours to be arranged. Professor MENDEL and Dr. SMITH.

Biology 52. Physiology of Nutrition.

A knowledge of Inorganic, Organic, and Physiological Chemistry and of Elementary Biology is essential. Second term, recitations two hours, preparation four hours. Professor MENDEL.

Biology 53. Research Work in Physiology and Physiological Chemistry.

Professor MENDEL and Dr. SMITH.

Biology 54. Physiological Seminary.

For graduate students; one meeting, two hours per week. Professor MENDEL.

XIII. BOTANY

Professor EVANS; Assistant Professor NICHOLS; Dr. CLINTON, and Mr. HILL.

Biology 6. Elementary Botany.

First term, lectures and recitations two hours, laboratory four hours, preparation three hours. Assistant Professor NICHOLS.

Biology 61. Plant Morphology and Anatomy.

Lectures and recitations two hours, laboratory four hours, preparation three hours, Professor EVANS.

Biology 62. Plant Ecology.

Second term, lectures and recitations two hours, laboratory and field four hours, preparation three hours. Assistant Professor NICHOLS.

Biology 64. Field Botany.

Second term, lectures two hours, field or laboratory four hours, preparation two hours. Mr. HILL.

Biology 65. Local Dendrology.

First term, lectures and recitations two hours, laboratory and field four hours, preparation two hours. Assistant Professor NICHOLS.

Biology 66. Plant Physiology.

Second term, lectures and recitations two hours, laboratory four hours, preparation three hours.

Biology 67. Morphology of Plants (Advanced).

For those who intend to pursue the science professionally. Professor EVANS.

Biology 68. Diseases of Trees.

Lectures and laboratory work. Second term. Dr. CLINTON.

XIV. BACTERIOLOGY

Professor RETTGER.

Biology 7. Bacteriology (Short Course).

Open to those who are unable to take the longer and more technical courses. Lectures and recitations three hours, laboratory three hours, preparation four hours. Professor RETTGER.

Biology 71. General Bacteriology.

Second term, lectures and recitations three hours, laboratory six hours, preparation six hours. Professor RETTGER.

Biology 72. Sanitation and Public Health Bacteriology.

Both terms, six hours. Professor RETTGER.

Biology 74. Advanced Work and Research in Bacteriology.

Professor RETTGER.

Biology 75. Bacteriological Seminary.

Two hours. Professor RETTGER.

GEOLOGICAL SCIENCES

XV. GEOLOGY, PALEONTOLOGY, AND MINERALOGY

Professors FORD, SCHUCHERT; Associate Professor KNOPF; Assistant Professors BATEMAN and DUNBAR.

Geology 1. Physical (dynamical and structural) Geology.

An introductory course. First term, recitations and lectures two hours, preparation four hours. Associate Professor KNOPF and Assistant Professor BATEMAN.

Geology 13. Applied Structural and Dynamical Geology.

Second term, lectures and recitations two hours, preparation three hours. Assistant Professor BATEMAN.

Geology 2. Historical Geology and Paleontology.

Second term, lectures two hours, preparation four hours. Assistant Professor DUNBAR.

Geology 3. Elementary Economic Geology.

Second term, two hours. Assistant Professor BATEMAN.

Geology 31. Economic Geology.

Prerequisites: an adequate course in general geology, mineralogy, and petrology and some field experience in geology. First term, lectures two hours, preparation three hours; second term, lectures three hours, preparation three hours.

Geology 32. Economic Geology (Laboratory Course).

To accompany Geology 31. Both terms, laboratory three hours. Assistant Professor BATEMAN.

Geology 34. Applied Mineralography.

Given in connection with course 32. Second term, total of fifteen hours. Assistant Professor BATEMAN.

Geology 4. Elementary Field Geology.

In connection with Geology 1, 2, and 13, a series of five field trips will be held at stated times during the year. Credit for these trips will be given.

Geology 41. Field Geology Methods.

Ten lectures during second term. Assistant Professor BATEMAN.

Geology 42. Field Work.

A continuation of Geol. 41. The work will be done in camp at some locality to be selected by the geological faculty and will occupy five or six weeks of the early summer.

Geology 43. Compilation of Geological Report.

A continuation of Geol. 42. First term, laboratory three hours. Associate Professor KNOPF and Assistant Professor BATEMAN.

Geology 5. Elementary Petrology.

Second term, one hour. Associate Professor KNOPF.

Geology 51. Advanced Petrology.

Second term, three hours. Associate Professor KNOPF.

Geology 52. Petrology (Laboratory Course).

Must be preceded by Geology 73 and 74. Second term, seven hours. Associate Professor KNOPF.

Geology 53. Use of the Petrologic Microscope (Laboratory Course).

Prerequisite: Geology 74. Second term, three hours. Associate Professor KNOPF.

Geology 70. Elementary Mineralogy.

First term, laboratory four hours, recitation one hour; second term, laboratory two hours, recitations two hours. Professor FORD.

Geology 72. Advanced Mineralogy.

Prerequisite: Geology 70. First term, lectures and laboratory six hours. Professor FORD.

Geology 73. Advanced Crystallography.

It is a necessary preliminary to *Geology 74*. First half of first term, lectures and laboratory ten hours. Professor FORD.

Geology 74. Optical Mineralogy.

Geology 73 is a necessary prerequisite and an understanding of the principles of Optics is most desirable. Second half of first term, lectures and laboratory ten hours. Professor FORD.

Geology 9. Economic Geography.

For description of this course see Social Science 2. Professor A. L. BISHOP and Dr. HAVEMEYER.

MINING AND METALLURGY

Professor MATHEWSON; Assistant Professor PHILLIPS; and Mr. WARNER.

XVI. MINING

Mining 10. Elementary Mining.

First term, recitation one hour, lectures two hours, applied work three hours, preparation three hours; second term, recitation one hour, lectures two hours, preparation three hours. Mr. R. K. WARNER.

Mining 20. Mining Methods; Mine Management, Examination, Valuation, etc.

Prerequisite: *Mining 10*. Both terms, recitation one hour, lectures two hours, applied work three hours, preparation three hours.

Mining 30. Ore Dressing.

The laboratory work, *Mining 31*, which supplements the classroom work, must be taken at the same time. Prerequisites: Met. 10 and 101, and Geol. 7. Both terms, recitation one hour, lecture one hour, preparation two hours. Mr. R. K. WARNER.

Mining 31. Ore Dressing Laboratory.

To be taken at the same time as *Mining 30*. Both terms, laboratory three hours. Mr. R. K. WARNER.

Mining 50. Mine Surveying. Field Work.

Prerequisite: C. E. 12. This work is given in June between Junior and Senior years to Mining students. Mr. R. K. WARNER.

XVII. METALLURGY

Metallurgy 10. Assaying and Sampling.

Prerequisites: Chemistry 1 and 2. Both terms, recitation one hour, preparation one hour. Mr. R. K. WARNER.

Metallurgy 101. Assaying Laboratory.

This course is taken at the same time as *Metallurgy 10*. Both terms, laboratory four hours. Mr. R. K. WARNER.

Metallurgy 11. Elementary Metallurgy.

Both terms, recitations two hours, applied work three hours, preparation two hours. Assistant Professor PHILLIPS.

Metallurgy 12. General Metallurgy.

Prerequisites: Chem. 1, Phys. 10, 11, and Met. 11. Both terms, recitations three hours, preparation three hours. Professor MATHEWSON.

Metallurgy 121. General Metallurgy.

A shorter course for students in Mining and Industrial and Engineering Chemistry. Prerequisites: Chem. 1, Phys. 10, 11, 12, 13. Second term, recitations two hours, preparation three hours. Assistant Professor PHILLIPS.

Metallurgy 13. Metallurgy of Iron and Steel.

Prerequisites: Chem. 1, 2, and Phys. 10, 11. Second term, lecture one hour, preparation two hours. Professor MATHEWSON.

Metallurgy 14. Metallurgical Analysis.

Prerequisites: Chem. 2 and 30. Both terms, laboratory eight hours. Assistant Professor PHILLIPS.

Metallurgy 141. Metallurgical Analysis.

A shorter course for Juniors in Mining. Prerequisites: Chem. 2 and 30. Second term, laboratory six hours. Assistant Professor PHILLIPS.

Metallurgy 18. Metallography and Pyrometry.

Prerequisites: Chem. 1 and Phys. 10, 11, 12, 13. Second term, lecture one hour, preparation three hours. Professor MATHEWSON.

Metallurgy 25. Metal Technology.

Prerequisites: Chem. 1, Phys. 10, 11, 12, 13, Met. 11. Second term, lecture one hour, applied work three hours, preparation three hours. Professor MATHEWSON.

Metallurgy 251. Materials.

Given in connection with Eng. Mech. 3; both terms, lecture one hour, supervised study period one hour. Professor MATHEWSON and Assistant Professor PHILLIPS.

Metallurgy 252. Metals and Alloys.

Prerequisites: Elementary Chemistry and Physics, Materials. Second term, recitation one hour, lecture one hour, applied work two hours, preparation two hours. Professor MATHEWSON and Assistant Professor PHILLIPS.

ENGINEERING STUDIES

XVIII. ENGINEERING MECHANICS

Professor TILDEN; Assistant Professors LAURSON, HOOK, SUTTIE; Mr. HENDRICK, and Mr. SKELTON.

Engineering Mechanics 1. Statics and Kinetics.

Prerequisites: the courses in Mathematics, Physics, Drawing, and Descriptive Geometry of the Freshman and Sophomore years. Required of all Juniors in Engineering Science. First term, recitation one hour, lecture one hour, computing period two hours, preparation four hours; second term, recitations two hours, lecture one hour, computation two hours, preparation six hours. Assistant Professor LAURSON, Mr. HENDRICK, and Mr. SKELTON.

Engineering Mechanics 2. Hydraulics.

First term, recitations three hours, laboratory one and one-half hours, preparation four and one-half hours. Assistant Professor SUTTIE.

Engineering Mechanics 3. Strength of Materials.

This course must be accompanied by Met. 251. Both terms, recitations two hours, laboratory two hours, preparation three hours. Professor TILDEN, Assistant Professors LAURSON and HOOK, Mr. HENDRICK, and Mr. SKELTON.

Engineering Mechanics 4. Elements of Mechanics.

Prerequisites: the courses in Mathematics and Drawing of the Freshman year. Required of all Sophomores in Administrative Engineering. Both terms, recitation one hour, lecture one hour, laboratory or computation two hours, preparation three hours. Professor TILDEN, Mr. HENDRICK, and Mr. SKELTON.

Engineering Mechanics 5. Materials and Design.

Prerequisite: Eng. Mech. 4 or its equivalent. For Juniors in Administrative Engineering. First term, recitation one hour, lecture one hour, laboratory or computation two hours, preparation three hours. [Not given in 1920-21.]

XIX. DRAWING

Assistant Professor KIRBY; Mr. ECKLE, Mr. GLEASON, and Mr. GRACEY.

The Drawing required of all Engineering Science students (Drawing 1, 2, 3) extends over three terms; a course covering two terms (Drawing 1 and 2) is provided for other students.

Drawing 1.

Freshmen in Group III. Second term, lecture one hour, drawing five hours. For certain Sophomores in Natural Science this course, slightly modified, is given during the first term.

Drawing 2.

Sophomores in Engineering Science. First term, recitation one hour, lecture one hour, drawing four hours. For certain Sophomores in Natural Science this course is given during the second term.

Drawing 3.

Sophomores in Engineering Science (except Administrative Engineering). Second term, lecture one hour, drawing five hours.

Drawing 31.

A course especially arranged for Sophomores in Administrative Engineering. Second term, recitation one hour, lecture one hour, drawing four hours.

XX. ADMINISTRATIVE ENGINEERING

A. E. 1. Engineering Economics.

Both terms, lecture one hour, applied work two hours.

A. E. 2. Specifications and Contracts.

Second term, recitation one hour, lecture one hour, preparation four hours.

A. E. 3. Industrial Management.

Both terms, recitation one hour, lecture one hour, preparation four hours, and occasional visits to nearby industries.

A. E. 4. Power.

This course is given jointly by the Department of Civil Engineering, Electrical Engineering, and Mechanical Engineering. Both terms, recitations two hours, lecture one hour, laboratory three hours, preparation five hours.

A. E. 5. Machinery.

This course is given jointly by the Department of Electrical Engineering and Mechanical Engineering. Both terms, recitations two hours, lecture one hour, laboratory three hours, preparation five hours.

XXI. CIVIL ENGINEERING

Professor TRACY; Assistant Professors BARNEY, BISHOP, FARNHAM, KIRBY, and SUTTIE.

C. E. 11. Plane Surveying.

Four weeks at the close of the Freshman Year. In 1921 the course begins on the day following the last examination of the Freshman Class in June. It may be necessary to require a portion of the class to take this course in August and September instead of in June and July. Assistant Professor FARNHAM.

C. E. 12. Topographic Surveying.

Four weeks during the summer vacation following Sophomore year. Work is conducted at the Summer Engineering Camp, East Lyme, Conn. In 1921 the course will begin at 8 A. M., Monday, August 29. Students should arrive at camp not later than Saturday afternoon, August 27. Assistant Professor FARNHAM.

C. E. 13. Railway Surveying.

Four weeks immediately preceding the opening of the Senior year. Work is conducted at the Summer Engineering Camp, East Lyme, Conn. Assistant Professor FARNHAM. [Omitted in 1921.]

C. E. 34. Railway Engineering.

Prerequisite: C. E. 13. First term, recitations three hours, lecture one hour, applied work four hours, preparation four hours. Assistant Professor BARNEY.

C. E. 35. Highway Engineering.

Second term, recitations two hours, lecture one hour, computation and design one hour, preparation three hours. Assistant Professor FARNHAM.

C. E. 53. Sanitary Engineering.

Prerequisite: Eng. Mech. 2. Second term, recitations three hours, lectures three hours, applied work six hours, preparation three hours. Assistant Professor BARNEY.

C. E. 61. Stresses.

Prerequisite: Eng. Mech. 1. Both terms, recitations two hours, computation four and one-half hours first term and three hours second term. Professor TRACY.

C. E. 63. Stresses.

A short course in the theory of stresses planned with reference to needs of students in Mining. Second term, lectures two hours, computation four hours. Professor TRACY.

C. E. 64. Structural Drafting.

First term, lecture one hour, drafting and computation five hours. Assistant Professor C. T. BISHOP.

C. E. 65. Structural Engineering.

Prerequisites: C. E. 61, C. E. 64, and Eng. Mech. 3. Second term, lectures three hours, computation nine hours. Assistant Professor C. T. BISHOP.

C. E. 67. Masonry.

Prerequisite: C. E. 65. Second term, recitation one hour, lecture one hour, computation six hours, laboratory two hours, preparation two hours. Assistant Professor SUTTIE.

C. E. 71. Seminary.

Both terms, recitation one hour, preparation one hour. Professor TRACY.

C. E. 81. Engineering Specifications.

Second term, recitation one hour, preparation two hours. Assistant Professor KIRBY.

XXII. ELECTRICAL ENGINEERING

Professor SCOTT; Assistant Professors BOZELL, MORROW, TURNER, WITTIG; Mr. ALLEN, Mr. BOOTH, Mr. DOOLITTLE, Mr. FORBES, Mr. HALL, Mr. KNOWLTON, and Mr. WARNER.

E. E. 122. Electrical Engineering (For Sophomores).

This course follows M. E. 21. Required of Sophomores in Administrative Engineering and Engineering Science. Second term, lecture one hour, recitation one hour, preparation one hour. Assistant Professor WITTIG.

E. E. 131. Junior Seminary.

Junior E. E.; both terms, recitation one hour, preparation one hour. Professor SCOTT.

E. E. 132. Direct Current Electrical Engineering.

To be preceded by Physics 32. Junior E. E.; first term, lecture one hour, recitations two hours, computation two hours, laboratory three hours, preparation two hours. Assistant Professor TURNER and Mr. KNOWLTON.

E. E. 133. Alternating Current Circuits.

To be preceded by E. E. 132 and accompanied by E. E. 134. Junior E. E.; second term, lecture one hour, recitations three hours, computation two hours, preparation three hours. Assistant Professor TURNER and Mr. KNOWLTON.

E. E. 134. Alternating Current Circuits Laboratory.

A course paralleling E. E. 133. Must accompany E. E. 133. Laboratory five hours, preparation two and one-half hours. Mr. WARNER and Mr. KNOWLTON.

E. E. 139. Electrical Engineering Testing.

For Electrical Engineering students; summer preceding Senior year. Assistant Professor BOZELL.

E. E. 141. Senior Seminary.

Senior E. E.; both terms, recitation one hour, preparation one hour. Assistant Professor MORROW.

E. E. 142. Alternating Current Machinery.

A continuation of E. E. 133. Must be preceded by E. E. 133 and 134. Senior E. E.; first term, lecture one hour, recitations three hours, computation two hours, preparation three hours. Assistant Professor BOZELL, Mr. WARNER, and Mr. HALL.

E. E. 143. Alternating Current Machinery Laboratory.

A laboratory course supplementing E. E. 142. Must accompany E. E. 142. Laboratory five hours, preparation two hours. Mr. WARNER and Mr. HALL.

E. E. 144. Electrical Engineering Practice.

Senior E. E.; both terms, computation two two-hour periods. Professor SCOTT.

E. E. 145. Advanced Dynamo Machinery.

Must be preceded by E. E. 142 and 143. Optional for Senior E. E.; second term, lecture one hour, recitations three hours, computation two hours, preparation three hours. Assistant Professor BOZELL, Mr. WARNER, and Mr. HALL.

E. E. 146. Advanced Dynamo Laboratory.

Must accompany E. E. 145. Optional Senior E. E.; second term, laboratory five hours, preparation two hours. Mr. WARNER and Mr. HALL.

E. E. 147. Telephone and Telegraph Engineering.

Optional Senior E. E.; second term, lecture one hour, recitations three hours, laboratory three hours, preparation two hours. Assistant Professor TURNER and Mr. DOOLITTLE.

E. E. 148. Radio Engineering.

Optional Senior E. E.; either term, lecture one hour, recitations three hours, laboratory three hours, preparation two hours. Assistant Professor TURNER and Mr. DOOLITTLE.

E. E. 149. Inspection Trip.

Senior E. E.; second term, one week. Professor SCOTT and Assistant Professors BOZELL and MORROW.

E. E. 231. Electrical Machinery.

(For Non-Electrical Engineers.) Prerequisite: Physics 32. Junior M.E.; second term, lecture one hour, recitations two hours, laboratory three hours, computation one hour, preparation two hours. Assistant Professor MORROW, Mr. ALLEN, and Mr. FORBES.

E. E. 241. Electrical Engineering.

(For Non-Electrical Engineers.) Prerequisite: E. E. 231. Senior M. E.; both terms, recitations two hours, laboratory one three-hour period, preparation one hour. Assistant Professor MORROW, Mr. ALLEN, and Mr. FORBES.

E. E. 242. Electrical Engineering.

(For Non-Electrical Engineers.) Prerequisite: Physics 32. First or second term, lecture one hour, recitations two hours, laboratory one three-hour period, preparation three hours. Assistant Professor WITTIG and Mr. BOOTH.

XXIII. MECHANICAL ENGINEERING

Professors BRECKENRIDGE, DUDLEY; Assistant Professors LOCKWOOD, SEWARD, STETSON, WATERS, WOHLBERG; Mr. BERARD, Mr. CORBETT, Mr. SMITH, Mr. TURNBULL, Mr. UHLENHAUT, and Mr. VOGEL.

M. E. 10. Mechanical Technology.

Summer work at the beginning of the Junior year, four weeks, beginning 8 A. M., Monday, August 29, in 1921. Assistant Professor STETSON and Assistants.

M. E. 11. Inspection Trip.

One week during second term of Senior year. Assistant Professor SEWARD.

M. E. 12. Shop Equipment.

Prerequisite: M. E. 10. Senior year; first term, lecture one hour, recitations two hours, preparation four hours. Assistant Professor SEWARD.

M. E. 13. Industrial Management.

Prerequisite: M. E. 12. Senior year, second term, lecture one hour, recitations two hours, preparation four hours. Assistant Professor SEWARD.

M. E. 20. Mechanical Engineering Shops or Laboratory.

Summer preceding Senior year. Assistant Professor SEWARD.

M. E. 21. Sophomore Engineering.

First term, classroom or laboratory two hours, preparation one hour. Assistant Professor SEWARD.

M. E. 31. Thermodynamics.

Prerequisites: Phys. 30, M. E. 10. Junior M. E. and E. E., Ind. Chem.; first term, recitations three hours, laboratory two hours, preparation four hours. Assistant Professors WOHLBERG and STETSON, Mr. CORBETT, and Mr. UHLENHAUT.

M. E. 32. Heat Engines.

Prerequisite: M. E. 31. Junior M. E., E. E., Ind. Chem.; second term, recitations three hours, laboratory two hours, preparation four hours. Assistant Professors WOHLBERG and STETSON, Mr. CORBETT, and Mr. UHLENHAUT.

M. E. 33. Power Engineering.

Prerequisite: M. E. 31 and 32. Senior M. E., and E. E., Ind. Chem.; both terms, lecture one hour, recitations two hours, laboratory three hours, preparation three hours. Professor BRECKENRIDGE, Assistant Professors LOCKWOOD, SEWARD, and STETSON, Mr. CORBETT, Mr. W. P. SMITH, and Mr. VOGEL.

M. E. 40. Elements of Kinematics and Machine Design.

Prerequisite: Drawing 3. Junior M. E.; first term, recitation one hour, lecture one hour, applied work six hours, preparation two hours; second term, recitation one hour, lecture one hour, applied work four hours, preparation one hour. Assistant Professor WATERS, Mr. BERARD, and Mr. TURNBULL.

M. E. 401. Kinematics and Machine Design.

A course for Industrial and Engineering Chemists, similar in content to M. E. 40. Prerequisite: Drawing 3. Junior Ind. Chem.; both terms, recitation

one hour, applied work four hours, preparation one hour. Mr. BERARD and Mr. TURNBULL.

M. E. 41. Machine Design.

Prerequisite: M. E. 40. Senior M. E.; both terms, recitation one hour, applied work four hours, preparation one hour. Assistant Professor WATERS and Mr. BERARD.

M. E. 411. Machine Design.

Prerequisite: Drawing 3. Recitation one hour, applied work four hours, preparation one hour. Mr. BERARD and Mr. TURNBULL.

M. E. 51. Mechanics of Machinery.

Senior M. E., second term, elective. Recitations two hours, lecture one hour, computing two hours, preparation four hours. Assistant Professor SEWARD.

M. E. 80. Junior Seminary.

Prerequisite: English 1. Junior M. E.; both terms, two hours. Professor BRECKENRIDGE.

M. E. 81. Senior Seminary.

Prerequisite: M. E. 80. Senior M. E.; both terms, two hours. Professor BRECKENRIDGE.

GRADUATE SCHOOL

FACULTY

ADMINISTRATIVE OFFICERS

ARTHUR TWINING HADLEY, PH.D., LL.D., President of the University.

JAMES ROWLAND ANGELL, LITT.D., President-elect.

WILLISTON WALKER, PH.D., D.D., L.H.D., Provost, and Titus Street Professor of Ecclesiastical History in the Divinity School.

WILBUR LUCIUS CROSS, PH.D., LITT.D., Dean of the Graduate School on the John Stewart Kennedy Foundation, and Professor of English in the Sheffield Scientific School.

MARGARET TRUMBULL CORWIN, B.A., Executive Secretary of the Graduate School.

BOARD OF PERMANENT OFFICERS

THE PRESIDENT AND THE PROVOST OF THE UNIVERSITY, *ex officiis*.
WILBUR LUCIUS CROSS, PH.D., LITT.D., Dean.

CHARLES MCLEAN ANDREWS, PH.D., L.H.D., Farnam Professor of American History.

HIRAM BINGHAM, PH.D., LITT.D., Professor of Latin-American History on the Randolph W. Townsend, Jr., Foundation.

CHARLES FREDERICK TUCKER BROOKE, B.LITT., M.A., Professor of English.

ALBERT TOBIAS CLAY, PH.D., LL.D., William M. Laffan Professor of Assyriology and Babylonian Literature, and Curator of the Babylonian Collection.

ALBERT STANBURROUGH COOK, PH.D., L.H.D., LL.D., Professor of the English Language and Literature, Emeritus.

CLIVE DAY, PH.D., Professor of Economic History.

ARNOLD LUCIUS GESELL, M.D., PH.D., Professor of Child Hygiene.

ROSS GRANVILLE HARRISON, M.D., PH.D., Sc.D., Bronson Professor of Comparative Anatomy, and Director of the Osborn Zoological Laboratory.

EDWARD WASHBURN HOPKINS, PH.D., LL.D., Edward E. Salisbury Professor of Sanskrit and Comparative Philology.

TREAT BALDWIN JOHNSON, PH.D., Professor of Organic Chemistry.

JOHN JOHNSTON, D.Sc., Sterling Professor of Chemistry.

RICHARD SWANN LULL, PH.D., Sc.D., Professor of Vertebrate Paleontology, and Curator in Vertebrate Paleontology.

- LAFAYETTE BENEDICT MENDEL, PH.D., Sc.D., Professor of Physiological Chemistry in the Sheffield Scientific School.
- LEO FREDERICK RETTGER, PH.D., Professor of Bacteriology.
- CHARLES SCHUCHERT, LL.D., Professor of Paleontology, Curator of the Geological Collection, and Professor of Historical Geology in the Sheffield Scientific School.
- FRANK ELLSWORTH SPAULDING, PH.D., Professor of School Administration.
- CHARLES CUTLER TORREY, PH.D., D.D., Professor of the Semitic Languages.
- JOHN CLAYTON TRACY, C.E., Professor of Civil Engineering in the Sheffield Scientific School.

OFFICERS WITH PROFESSORIAL RANK

- IRVING BABBITT, M.A., Visiting Professor of French Literature.
- OSKAR BAUDISCH, PH.D., Research Associate in Biochemistry.
- PAUL VICTOR CHRISTOPHER BAUR, PH.D., Assistant Professor, and Curator of Classical Archæology.
- ELLSWORTH HUNTINGTON, PH.D., Research Associate in Geography.
- WARREN MILTON PERSONS, PH.D., Visiting Professor of Economics.

ASSOCIATE PROFESSORS, ASSISTANT PROFESSORS, AND OTHER INSTRUCTORS

- JAMES CROSBY CHAPMAN, PH.D., Sc.D., Associate Professor of Educational Psychology.
- GEORGE SYLVESTER COUNTS, PH.D., Associate Professor of Secondary Education.
- CLARENCE HENRY HARING, PH.D., Associate Professor of European History.
- HAROLD HIBBERT, PH.D., Sc.D., Associate Professor of Applied Chemistry.
- KAN-ICHI ASAKAWA, PH.D., Assistant Professor of the History of Japanese Civilization, and Curator of the Japanese and Chinese Collections.
- CATHERINE TURNER BRYCE, Assistant Professor of Elementary Education.
- GEORGE GRANT MACCURDY, PH.D., Assistant Professor of Prehistoric Archæology, and Curator of the Anthropological Collection.
- JESSE BUTTRICK DAVIS, M.A., Lecturer on Secondary Education.
- ALBERT BARRETT MEREDITH, PH.D., L.H.D., Lecturer on Secondary Education.
- MARGARET EVERTSON COBB, M.A., Research and Clinical Assistant in the University Psychoclinic.

In addition to the foregoing, many members of the Faculties of Yale College, the Sheffield Scientific School, and other Schools of the University give courses in the Graduate School. These are listed in the Catalogue of the Graduate School, and also in the respective Schools in this Catalogue.

SPECIAL LECTURERS

1920-1921

CHARLES JOSEPH BENNETT, B.E., Lecturer in Highway Engineering.
MOSES LEVEROCK CROSSLEY, Ph.D., Lecturer in Chemistry.
GEORGE WARREN FULLER, B.S., Lecturer in Sanitary Engineering.
HARRY NICHOLIS HOLMES, Ph.D., Lecturer in Chemistry.
OTIS ELLIS HOVEY, C.E., Lecturer in Structural Engineering.
FRED LAVIS, Lecturer in Railroad Engineering.
PHOEBUS AARON LEVENE, Ph.D., Lecturer in Chemistry.
WILLIAM MCCLELLAN, E.E., Lecturer in Electrical Engineering.
ELMER VERNER MCCOLLUM, Ph.D., Lecturer in Chemistry.
RALPH HARPER MCKEE, Ph.D., Lecturer in Chemistry.
LYMAN F. MOREHOUSE, Lecturer in Electrical Engineering.
GEORGE ALEXANDER ORROK, Lecturer in Power Plant Engineering.
REGINALD JAMES SEYMOUR PIGOTT, M.E., Lecturer in Power Plant Engineering.
JAMES WINFIELD WELSH, Lecturer in Electrical Engineering.
DAVID WESSON, Ph.D., Lecturer in Chemistry.

STANDING COMMITTEES

On the Ph.D. Degree—Professor ANDREWS, Chairman, Professors BROOKE, HARRISON, and JOHNSTON.
On the M.A. Degree—Professor DAY, Chairman, Professors BACON, BOLTWOOD, and SEYMOUR.
On the M.F.A. Degree—Professor MEEKS, Chairman, Professors BAUR, BROOKE, and TINKER.
On the M.S. Degree—Professor T. B. JOHNSON, Chairman, Professors MATHEWSON, MENDEL, and ZELENY.
On the Dr.P.H. Degree and the C.P.H.—Professor WINSLOW, Chairman, Professors GESELL, KELLER, and RETTGER.
On the Higher Degrees in Engineering—Professor TRACY, Chairman, Professors BRECKENRIDGE, MATHEWSON, and SCOTT.

GENERAL STATEMENT ORGANIZATION

THE Graduate School of Yale University was established in 1847, though instruction in advanced studies had been previously given under the direction of professors in Yale College. The degree of Doctor of Philosophy was first conferred in 1861; and the degree of Master of Arts, which, in accordance with the custom of the time, had been previously awarded to graduates of Yale College of three years' standing, was first conferred for specific scholarly work in 1876. In 1892 women were first admitted as candidates for the degree of Doctor of Philosophy. The same year a Dean was appointed as the executive head of the School. In 1916 the Faculty was reorganized; and the Corporation of the University assigned Gibbs Hall (named in honor of Professor Josiah Willard Gibbs) to the School as its administration building. In 1917 women were first admitted as candidates for the degree of Master of Arts. In 1919, the Corporation of the University placed under the jurisdiction of the Graduate School the administration of the degree of Master of Science, the higher Engineering degrees, and the Certificate of Public Health, and established the degree of Doctor of Public Health. At the same time women were admitted as candidates for these degrees except in Engineering.

FEEES AND EXPENSES

The annual tuition fee is \$200. A student who is a candidate for a degree must pay the full tuition fee each of the residence years required of him for the degree. This fee admits students to all courses listed in the Graduate School Catalogue which they are qualified to pursue, and to a total of not over three hours per week of undergraduate courses in Yale College or the Sheffield Scientific School not listed in that Catalogue. For admission to such undergraduate courses in excess of this amount, or to courses in other Schools of the University (unless specifically described in the Graduate School Catalogue) there is an additional fee of \$12 for each hour of instruction per week. Undergraduate courses not listed in the Graduate School Catalogue may not be taken by graduate students except by permission. No undergraduate courses, whether listed in the Graduate School Catalogue or not, may be taken by women students, except by special permission.

The tuition fee for partial work, reckoned on the basis of eight hours of instruction (or the equivalent) per week through the year as the minimum requirement for full work, is as follows: one hour,

\$40; two hours, \$75; three hours, \$100; and \$20 for each additional hour. Or, for a proportionate amount of full work, the fee is as follows: one-eighth, \$40; one-quarter, \$75; one-half, \$120; three-quarters, \$160. In general, two hours of laboratory work are reckoned as one hour. Students who propose to do only partial work must specifically so state at the time of registration. A student doing only partial work may not hold a fellowship or scholarship.

The fee for a student in residence, not holding a fellowship or scholarship, who has fulfilled the residence requirement, but is engaged upon a dissertation for the degree of Ph.D. or Dr.P.H., is \$75 or, if engaged upon a thesis or an essay for the other degrees, \$50. Such student, if doing additional course work, must also pay a supplementary fee of \$25 for each hour of instruction per week (or its equivalent) extending through the year.

For a student not in residence who is completing the dissertation, the fee is \$75, or for the thesis or essay is \$50, for the year of registration as candidate for the degree.

Laboratory fees, in addition to the tuition fee, must be paid by all students who take laboratory courses, whether doing full work or partial work.

The fee for summer courses in Surveying and in Mechanical Technology is \$20 in each subject.

The graduation fee, including the diploma, for all degrees, is \$20.

A special fee of \$5 is charged for the use of the Gymnasium, and the same for the use of the Swimming Pool.

Information as to suitable rooms may be obtained at the office of the Dean. A limited number of rooms are available in the Men's and Women's Club Houses.

FELLOWSHIPS AND SCHOLARSHIPS

Applications for University fellowships and scholarships must be in the office of the Dean of the Graduate School before March 1; for fellowships restricted to graduates of Yale College, applications must be in before February 15. Applicants not in residence must submit an official transcript of record, with grades, of all undergraduate and graduate work, and should also submit letters of recommendation and other evidence of previous work. Applications received after March 1 ordinarily will not be considered except to fill vacancies. To hold a fellowship or scholarship a student must be a candidate for a degree, and must do full work of high grade, and may not engage in outside work to such an extent as to interfere with graduate work or hold by official appointment a position as assistant or instructor. The full annual tuition is charged against fellowships and scholarships.

Blanks for applications may be obtained from the Dean's office. Awards are announced about April 1.

The rule for other fellowships does not apply to the Seessel and the Bishop Museum Fellowships, for which applications will be received as late as May 1.

Fellowships and scholarships are enumerated in Section VIII of this Catalogue.

PRIVILEGES

For General University Privileges, Buildings and Equipment, see Sections III and IV of this Catalogue. More detailed information as to facilities for study and research than is given under these sections and under the description of courses in following pages, may be found in the annual Catalogue of the Graduate School.

ADMISSION AND REGISTRATION

Graduates of colleges and universities of good standing are admitted as students in candidacy for advanced degrees in the departments of study for which they are qualified by their previous work, or as special students without reference to the acquisition of a degree. In exceptional cases, other persons of suitable age and sufficient attainments may be admitted to graduate courses.

Members of the faculties of other institutions or of the staffs of research institutions, who have already received a higher degree and desire to undertake special investigations, are invited to avail themselves of the facilities of Yale University in affiliation with the Graduate School.

Every student, upon entrance to the Graduate School, is required to register at the office of the Dean, in Gibbs Hall, and, if a candidate for a degree, to file therein an official transcript of his college record. And at the opening of the University in each year thereafter every student must register, whether continuing in courses of study or only writing the dissertation, thesis, or essay.

DEGREES

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon students of either sex who have received the Bachelor's degree for a four years' undergraduate course from a college of high standing, and have satisfactorily completed not less than three years of graduate study and met the other prescribed conditions for the degree. Students who have received their Bachelor's degree from colleges not of sufficiently high standing must expect to spend more than

three years in graduate study, the length of time to be determined in each case by the character of their previous work and the quality of the work done here. With the approval of the Faculty, work of equal grade done in residence at other universities, or in research laboratories not connected with a university, will be accepted towards the degree, but not less than one year of graduate work must be done in this University. No work *in absentia*, except that connected with the preparation of the dissertation, is accepted. Ordinarily the last of the required years of residence should not be devoted wholly to the completion of the dissertation, but the candidate, unless especially excused by the department in which the major work is done, should continue some plan of study involving attendance on at least one course. It must be understood, however, that the degree is not given as a certificate of residence and work, however faithful; it is granted only to such students as give evidence of general proficiency, power of investigation, and high attainments in the special field in which the major work is done. The evidence of such attainments must be given by dissertation and by examination. A knowledge of both French and German is required in all cases, unless for some very exceptional reason the candidate is permitted by the committee on the Ph.D. degree to substitute another language. In several departments of study a knowledge of Latin and other languages is also essential. Evidence of possessing sufficient attainments in the required languages must be presented to the Dean not later than the fifteenth of October of the academic year in which the degree is to be conferred. In some departments the candidate must possess the required knowledge two academic years before the degree is to be conferred. A general oral or written examination, irrespective of course examinations, must be passed by the candidate upon the whole major subject offered and such subordinate subjects as may be required by the department concerned.

The dissertation should show that the candidate has technical mastery of the field in which he presents himself, is capable of doing independent scientific work, and is able to formulate such conclusions as may in some respects modify or enlarge what was previously known. Two substantially bound typewritten copies of the dissertation, including a one-page digest or summary of the main results obtained, must be deposited in the office of the Dean of the Graduate School, one copy not later than May 1, the duplicate copy not later than May 15, of the year of conferring the degree; and the title-page must bear the words: A Dissertation presented to the Faculty of the Graduate School of Yale University, in Candidacy for the Degree of Doctor of Philosophy; and the back of the cover must bear the title of the dissertation and the name of the writer. After

receiving the degree, the candidate must arrange for the publication, at the earliest practicable date, either of the whole or of such portions of the dissertation as the department concerned shall direct. Two of the printed copies must be deposited in the office of the Dean, and unless other provision for distribution, approved by the Dean, has been made, fifty copies must also be deposited in the Dean's office for the University Library.

In the Graduate School Catalogue a statement is made under each department of study of the special requirements for the degree in that department.

A limited appropriation is made by the University towards defraying the cost of publication of such dissertations as are recommended for a subvention, provided that they are actually published, in separate form, by the first day of June after the degree has been conferred, and that fifty-two copies are deposited in the Dean's office. In special cases, on recommendation of a department, the time allowed for publication may be extended.

THE DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE are conferred upon students of either sex who have received a Bachelor's degree for a four years' undergraduate course from a college of sufficiently high standing, and who have satisfactorily completed at least one year of resident graduate study at this University and met the other prescribed conditions for the degree. The usual period of residence is two years. Residence at another university may be accepted for the first of these years, provided the quality and character of the work are satisfactory. Only those students who have specialized during their undergraduate course, and attained a high stand, in studies amounting to a full year's work and closely related with the studies which they intend to pursue in the Graduate School, can satisfy the requirements for the degree in one year. No credit is allowed for work done *in absentia*, except that connected with the preparation of the essay described below. For the degree of Master of Arts, a reading knowledge of at least one language other than English is required, before the student will be accepted as a candidate for the degree. In the departments of Language and Literature and of History, an acquaintance with Latin also is essential; and any department of study may make a specific requirement of a reading knowledge of French or German or both. For the degree of Master of Science, a reading knowledge of French or German is required before the student will be accepted as a candidate for the degree, and any department of study may make a specific requirement of a reading knowledge of both languages. Evidence of possessing sufficient attainments in the required languages must be submitted to the

Dean by January 10 of the year in which the degree is to be conferred.

An essay is required of all candidates, the subject and scope of which must be approved by the department concerned. Two copies of the essay, either typewritten or printed, and substantially bound, must be deposited in the office of the Dean of the Graduate School not later than May 15 of the year in which it is planned to take the degree. The back of the cover must bear the title of the essay and the writer's name; and the title-page must bear the words: *An Essay presented to the Faculty of the Graduate School of Yale University, in Candidacy for the Degree of Master of Arts, or of Master of Science, as the case may be.*

In the Graduate School Catalogue under each department of study a statement is made of the special requirements for the degree of Master of Arts or Master of Science in that department.

In most departments the studies of Senior year in Yale College and the Sheffield Scientific School are so correlated with the studies in the Graduate School that, provided the conditions above specified are fulfilled, a student may receive the Master's degree after one full year of work in the Graduate School.

THE DEGREE OF MASTER OF FINE ARTS (in Architecture) is conferred upon students of either sex who hold a Bachelor's degree from a School of Architecture of high standing. The requirements for this degree are stated in the Graduate School Catalogue under the department of The Fine Arts. A thesis is required of all candidates for the degree. Two copies, either typewritten or printed, and substantially bound, must be deposited in the office of the Dean of the Graduate School not later than May 15 of the year in which the candidate plans to take the degree. The back of the cover must bear the title of the thesis and the writer's name; and the title-page must bear the words: *A Thesis presented to the Faculty of the Graduate School of Yale University, in Candidacy for the Degree of Master of Fine Arts.*

THE DEGREE OF DOCTOR OF PUBLIC HEALTH (DR.P.H.) is conferred upon students of either sex who hold the degree of Doctor of Medicine from a medical school of high standing, and who have completed at least two years of resident graduate study at this University and met the other requirements for the degree. These requirements comprise prescribed and elective courses of study, practical field work in public health, and a dissertation based upon individual study of a particular problem. A detailed statement of the requirement is given in the Graduate School Catalogue under the department of General Bacteriology and Public Health.

THE CERTIFICATE IN PUBLIC HEALTH (C.P.H.) is conferred upon students of either sex who have received a Bachelor's degree for a four years' undergraduate course from a college or technical school of high standing (or pursued studies for two years in a medical school of high standing), and who have satisfactorily completed one year of resident graduate study at this University and met the other prescribed conditions for the Certificate. As prerequisites to the specific work required for the Certificate, students should have completed adequate courses in physics, chemistry, general biology, and general bacteriology, and have had training or experience involving a reasonable degree of specialization along lines of study related to public health. An essay is required of all candidates for the Certificate, upon some problem in the field of public health. A more detailed account of the graduate work leading to the Certificate is given in the Graduate School Catalogue under the department of General Bacteriology and Public Health.

Two copies of the dissertation for the Doctorate, or of the essay for the Certificate, either typewritten or printed, and substantially bound, must be deposited in the office of the Dean of the Graduate School not later than May 15 of the year in which it is planned to take the degree or certificate. The back of the cover must bear the title of the dissertation or the essay and the writer's name, and the title-page must bear the words: A Dissertation (or An Essay) presented to the Faculty of the Graduate School of Yale University, in Candidacy for the Degree of Doctor of Public Health (or Certificate in Public Health).

THE DEGREES OF CIVIL, ELECTRICAL, MECHANICAL, and METALLURGICAL ENGINEER, and ENGINEER OF MINES are conferred upon men who have received a Bachelor's degree for a four years' undergraduate course in Engineering from a college or technical school of high standing, and who have satisfactorily completed at least two years of resident study at this University and met the other prescribed conditions for these degrees. The requirements for the degrees in Engineering are stated in detail under the Division of Engineering.

A thesis is required for the degrees in all cases. Two copies, either typewritten or printed, and substantially bound, must be deposited in the office of the Dean of the Graduate School not later than May 15 of the year in which it is planned to take the degree. The back of the cover must bear the title of the thesis and the writer's name, and the title-page must bear the words: A Thesis presented to the Faculty of the Graduate School of Yale University, in Candidacy for the Degree of Civil (or Electrical, or Mechanical, or Metallurgical) Engineer (or Engineer of Mines).

THE DEGREE OF MASTER OF FORESTRY, under the direction of the Governing Board of the School of Forestry, is conferred for two years' graduate work, on conditions stated in that part of this section describing the School of Forestry.

THE DEGREES OF DOCTOR OF LAW and DOCTOR OF CIVIL LAW, under the direction of the School of Law, are conferred on conditions stated in that part of this section describing the School of Law.

SCHEDULES OF STUDY

For each of the degrees, the schedule of studies proposed must be approved by the chairman of the department concerned, and filed in the office of the Dean of the Graduate School, not later than October 10 of each year, for submission to the committee on the degree. The student may elect courses in more than one department of study, provided the subjects chosen form a coherent group, but the entire work of the student must be under the direction of one department and must be approved by that department. Advanced undergraduate courses in Yale College and in the Sheffield Scientific School may be accepted in partial fulfilment of the requirements for the degree, under conditions prescribed by the committee. With the approval of the departments concerned, advanced courses offered to students in the Schools of Medicine, Forestry, and Law, and the Divinity School, not described in the Catalogue of the Graduate School, may also be accepted under similar conditions.

INSTRUCTION

Instruction is offered in the following groups and courses of study:

A. LANGUAGE, LITERATURE, AND THE ARTS:

- I. *Classical Languages and Literatures*
- II. *Semitic and Biblical Languages and Literatures*
- III. *Romance Languages and Literatures*
- IV. *Germanic Languages and Literatures*
- V. *English Language and Literature*
- VI. *The Fine Arts*
Unclassified Courses

B. HISTORY AND THE SOCIAL SCIENCES:

- VII. *History*
- VIII. *Social and Political Science*
- IX. *Philosophy and Psychology*
- X. *Religion*
- XI. *Education*

C. MATHEMATICS AND THE NATURAL SCIENCES:

- XII. *Mathematics*
- XIII. *Astronomy*
- XIV. *Physics*
- XV. *Chemistry*
- XVI. *Geology and Geography*
- XVII. *Zoology and Anatomy*
- XVIII. *Botany*
- XIX. *Physiology and Physiological Chemistry*
- XX. *General Bacteriology and Public Health*
- XXI. *Pharmacology and Toxicology*
- XXII. *Clinical Medicine*

D. ENGINEERING:

- XXIII. *Civil Engineering*
- XXIV. *Electrical Engineering*
- XXV. *Engineering Mechanics*
- XXVI. *Mechanical Engineering*
- XXVII. *Mining and Metallurgy*

Most of the courses omitted in 1921-22 will probably be offered in 1922-23; others are given at longer intervals or in accordance with the needs of the students in attendance.

Courses marked with a star (*) are advanced undergraduate courses, for which only partial credit will be given toward a degree. They may not be taken by women students except by special permission of the instructor concerned and of the Dean of the College or the Director of the Sheffield Scientific School.

The number of hours stated, when not otherwise specified, means hours of classroom attendance or laboratory work each week throughout the year.

A. LANGUAGE, LITERATURE, AND THE ARTS

I. CLASSICAL LANGUAGES AND LITERATURES

Professor MENDELL, Chairman; Professors HARMON, HENDRICKSON, HOPKINS, REYNOLDS; Assistant Professors BAUR, HUBBELL, and INGERSOLL.

EQUIPMENT AND FACILITIES FOR STUDY

Students in this department have unrestricted use of its LIBRARY, which is in Phelps Hall, near the CLASSICAL SEMINARY ROOMS. It contains over 5,000 volumes, and additions are made each year, so that the student finds here practically everything needed for ordinary work in the courses in classical philology, except periodicals and

expensive illustrated works, which are accessible in the University Library. Special purchases of books will be made for students who are carrying on investigations either in connection with their dissertations or otherwise. In the University Library is also an unusually good NUMISMATIC COLLECTION.

The ARCHAEOLOGICAL MUSEUM, which was founded as a laboratory for students in this department, is in Phelps Hall. It contains a large number of vases and fragments which serve to illustrate the various styles of pottery from the neolithic to the Roman period. The REBECCA DARLINGTON STODDARD COLLECTION OF GREEK AND ETRUSCAN VASES, acquired through the generosity of the late Mrs. Louis E. Stoddard, of New Haven, numbers 650 pieces, and contains specimens of all styles from the Mycenæan age to the Hellenistic period, to illustrate the whole field of antique pottery. Through the coöperation of Mr. Frederic W. Stevens, B.A. 1858, the Museum procured a number of Attic vases and Roman lamps, in perfect state of preservation. The private collections of the late Professor Hoppin and Dr. Theodore Woolsey Heermance, B.A. 1893, have passed into the possession of the Museum, and Mr. Albert W. vanBuren, B.A. 1900, has loaned his collection of vases. In addition to the ancient pottery, the Museum possesses Egyptian and Greek statuettes in marble, bronze, faïence, and terra cotta; household utensils, such as mirrors and lamps; coins, gems, and glassware. Where originals could not be procured, casts have been substituted. Special mention is made of a few original Roman inscriptions from Pompeii and about fifty squeezes of Greek inscriptions.

The CLASSICAL CLUB, consisting of the instructors and students in this department, meets in the library room on alternate Monday evenings, to hear reports and papers in the field of classical philology or to read and discuss the work of some Greek or Latin author.

Graduate students of this University who are approved by the classical instructors are admitted without charge to the American Schools of Classical Studies in Athens and in Rome. Special attention is given to assisting students who expect to apply for fellowships in these Schools.

DESCRIPTION OF COURSES

CLASSICAL SEMINARY

The members are expected to have read widely in Greek and Latin literature, and to be able to read French and German freely.

Classics 5. Greek Division. Lucian.

Two hours second term. Professor HARMON.

Classics 6. Latin Division. The Minor Works of Tacitus.

Two hours first term. Professor HENDRICKSON,

GREEK AND LATIN

Classics 10. Ancient Literary Theory and Criticism.

One hour. Professor HENDRICKSON. [Omitted in 1921-22.]

Classics 15. Comedy.

Three hours. Professor HARMON.

Classics 18. Inscriptions and Manuscripts.

A lecture course, to be taken in conjunction with Greek 71 or Latin 85, in the first year of graduate study. One hour. Professor HARMON. [To be given if called for.]

GREEK

GREEK LITERATURE

Greek 39. Sophocles.

Three hours. Professor HARMON.

**Greek 42. Homer.*

Three hours. Professor REYNOLDS. (See Greek C 9, College.)

**Greek 46. Euripides and Theocritus.*

Three hours. Professor REYNOLDS. [Omitted in 1921-22.] (See Greek C 17, College.)

**Greek 47. Thucydides, Demosthenes, and Plato.*

Three hours. Professor REYNOLDS. [Omitted in 1921-22.]

Greek 54. The Age of Pericles.

Three hours. Assistant Professor HUBBELL.

**Greek 55. Aristophanes.*

Three hours. Assistant Professor HUBBELL. [Omitted in 1921-22.] (See Greek C 21, College.)

See also *Bibliography*, page 286, *Introduction to Romance Philology*, Group III, *Ancient History*, Group VII, and *Platonic Idealism*, and *The Philosophy of Aristotle*, Group IX. For *Patristic Greek* (Professor Bacon) see Group X. Certain courses in general or comparative literature are announced in the English group (V).

THE GREEK LANGUAGE

Greek 61. Greek Composition.

One hour. [Omitted in 1921-22.]

COURSES OF A MORE SPECIAL CHARACTER

Greek 71. Exercises in Greek Epigraphy and Palaeography.

To be taken with Classics 18. Two hours. Professor HARMON. [Omitted in 1921-22.]

LATIN

LATIN LITERATURE

Certain courses in general or comparative literature are announced in the English group (V).

Courses in the reading and interpretation of Latin authors will be pro-

vided by the several instructors to meet the needs of individual students. To facilitate the systematic arrangement of this work, students are requested to consult Professor MENDELL at the beginning of the year.

Latin 10. The Odes of Horace.

Two hours. Professor HENDRICKSON. [Omitted in 1921-22.]

Latin 12. Vergil, Æneid: Books VII-XII.

Two hours. Professor HENDRICKSON. [Omitted in 1921-22.]

Latin 15. Roman Satire from Lucilius to Juvenal.

Two hours first term. Professor HENDRICKSON.

Latin 20. Cicero and Quintillian.

Two hours. Professor HENDRICKSON. [Omitted in 1921-22.]

Latin 25. The Minor Works of Tacitus.

Two hours. Professor HENDRICKSON. [Omitted in 1921-22.]

Latin 30. Latin Literature.

Three hours. Professor MENDELL. (See Latin C 11, College.)

Latin 35. Medieval and Humanistic Latin.

Two hours. Professor HARMON. [Omitted in 1921-22.]

**Latin 55. Annals of Tacitus and Suetonius.*

Three hours. Professor MENDELL. [Omitted in 1921-22.] (See Latin C 12, College.)

**Latin 60. Juvenal and Martial.*

Three hours. Professor MENDELL. (See Latin C 13, College.)

Latin 62. The Tragedies of Seneca.

Three hours second term. Professor MENDELL.

THE LATIN LANGUAGE

Latin 65. Latin Syntax.

Two hours. Professor MENDELL.

COURSES OF A MORE SPECIAL CHARACTER

Latin 85. Exercises in Latin Epigraphy and Palaeography.

Two hours. Professor HARMON.

**Latin 90. Roman Law.*

Three hours. Assistant Professor WOODBINE. (See Latin C 14, College.)

CLASSICAL ARCHÆOLOGY

Archæology 5. Topography and Monuments of Athens.

Two hours. Assistant Professor BAUR.

Archæology 10. Archæological Exercises.

Two hours. Assistant Professor BAUR.

**Archæology 15. Roman and Etruscan Art.*

Three hours. Assistant Professor BAUR. (See Classical Archæology C 7, College.)

**Archæology 18. Greek and Roman Sculpture.*

Three hours. Assistant Professor BAUR. [Omitted in 1921-22.] (See Classical Archæology C 1, College.)

**Archæology* 20. *Greek Architecture.*

Three hours. Assistant Professor BAUR. (See Classical Archæology C 5, College.)

INDO-IRANIAN PHILOLOGY

Indic 5. *Elementary Sanskrit.*

Two hours. Professor HOPKINS.

Indic 6. *Advanced Sanskrit.*

Two hours. Professor HOPKINS.

Indic 10. *History of Sanskrit Literature.*

One hour. Professor HOPKINS.

Indic 15. *Pali Language and Literature.*

One hour. Professor HOPKINS.

Indic 21. *Lectures on History of Hindu Theism.*

One hour. Professor HOPKINS. [Omitted in 1921-22.]

Indic 25. *Avestan Language and Literature.*

One hour. Professor HOPKINS. [Omitted in 1921-22.]

Indic 30. *Lectures on Comparative Religion.*

One hour. Professor HOPKINS.

COMPARATIVE PHILOLOGY, PHONETICS, AND LINGUISTICS

Comparative Philology 5. *Introduction to Comparative Syntax.*

One hour. Professor HOPKINS.

Comparative Philology 7. *Comparative Latin Grammar.*

Two hours first term. [Omitted in 1921-22.]

Comparative Philology 9. *Linguistics.*

Two hours second term. [Omitted in 1921-22.]

II. SEMITIC AND BIBLICAL LANGUAGES AND LITERATURES

Professor TORREY, Chairman; Professors BACON, CLAY, KENT, PORTER; and Assistant Professor DAHL.

EQUIPMENT AND FACILITIES FOR STUDY

Connected with the department are the READING ROOM, the SEMINARY ROOM, the REFERENCE LIBRARIES, the SPECIAL COLLECTIONS, and the SEMITIC AND BIBLICAL CLUB.

The READING ROOM, in Phelps Hall, is near the SEMINARY ROOM used by the department. It contains a good REFERENCE LIBRARY and may be used for purposes of study at all times.

The TROWBRIDGE REFERENCE LIBRARY of the Divinity School is also available for students in this department. See EQUIPMENT, Divinity School.

Exceptional advantages and opportunities for independent re-

search are furnished to the student of Semitic literature by the Semitic sections of the University Library, the SALISBURY COLLECTION of Oriental manuscripts, books, and works of reference, the LIBRARY OF THE AMERICAN ORIENTAL SOCIETY, the LANDBERG COLLECTION of rare and valuable Arabic manuscripts, and the BABYLONIAN COLLECTION. This Collection consists of about 10,000 original tablets, belonging to the various periods in Babylonian history, from about 4000 to 150 B. C., and includes literary texts (epics and liturgies), syllabaries or dictionaries, mathematical treatises and different kinds of exercises from temple schools, divination texts, legal and business transactions, administrative documents from the archives of Babylonian temples, personal and official letters and records of various kinds, seal cylinders, inscribed bricks, votive objects, reliefs, royal building inscriptions, incantation bowls, etc. Besides the original inscriptions, the collection contains a large number of casts from museums in Europe and America, which illustrate the life and customs of the ancient Babylonians and Assyrians; also the WILLIAM HAYES WARD COLLECTION of seal-cylinder impressions. In addition to the Babylonian and Assyrian material, the beginning has been made of a collection of other Semitic monuments, including both casts and originals. The WHITING COLLECTION of Palestinian pottery and terra cotta, numbering 940 pieces, acquired through the generosity of the late Mrs. Francis Wayland, is also available for study.

The SEMITIC AND BIBLICAL CLUB, composed of the instructors, the students who are candidates for an advanced degree, and others who are interested in the work, holds fortnightly meetings, at which papers are presented and discussed.

Advanced courses in Classical and Palestinian Syriac, Ethiopic, and Sabæan and Minæan Inscriptions are given according to the needs of students. Instruction in modern colloquial Arabic (Syrian dialect) is offered to those who intend to spend a year or more in the American School in Palestine.

DESCRIPTION OF COURSES

GENERAL COURSES

Semitic 5. Introduction to Semitic Philology.

One hour first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 12. Semitic Seminary.

One hour. Professors CLAY and TORREY.

Semitic 15. North Semitic Epigraphy.

Two hours first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 20. Semitic Archaeology.

One hour first term. Professor CLAY.

**Semitic 28. Israel's Social Ideals and Institutions.*

Two hours. Professor KENT. (See Biblical Literature C 15a, C 15b, College.)

ARABIC

Semitic 30. Elementary Arabic.

Three hours. Professor TORREY. [Omitted in 1921-22.]

Semitic 35. The Koran.

Three hours first term. Professor TORREY.

Semitic 38. Arabic Historians.

Two hours first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 40. Classical Arabic Prose.

Three hours second term. Professor TORREY.

Semitic 41. Arabic Poetry.

Two hours first term. Professor TORREY.

Indic 40. Elementary Persian.

One hour. Professor TORREY. [Omitted in 1921-22.]

ARAMAIC AND SYRIAC

Semitic 50. Elementary Syriac.

Three hours. Professor TORREY.

Semitic 51. Syriac (Advanced Course).

Two hours first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 55. The Old Syriac Gospels.

Two hours first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 60. Biblical and Palestinian Aramaic.

Two hours second term. Professor TORREY. [Omitted in 1921-22.]

ASSYRIAN, BABYLONIAN, AND SUMERIAN

Semitic 65. Elementary Assyrian.

Two hours. Professor CLAY.

Semitic 70. Assyrian and Babylonian Texts.

Two hours. Professor CLAY.

Semitic 74. Babylonian and Assyrian Letters.

One hour. Professor CLAY.

Semitic 75. El-Amarna Inscriptions.

One hour. Professor CLAY.

Semitic 76. Syllabaries, Lexicographical and Grammatical Texts.

One hour. Professor CLAY.

Semitic 80. Sumerian Grammar and Interpretation of Historical and Bilingual Texts.

One hour. Professor CLAY.

Semitic 82. Sumerian, Babylonian, and Assyrian Legal and Commercial Transactions.

One hour. Professor CLAY.

Semitic 83. Sumerian and Babylonian Religious Texts.
Professor CLAY.

Semitic 84. Sumerian and Semitic Legal Codes.
One hour. Professor CLAY.

Semitic 85. Assyrian Seminary.
Professor CLAY.

HEBREW

Semitic 86. Advanced Hebrew.
Two hours first term. Professor CLAY.

Semitic 87. Hebrew Poetry.
Two hours. Assistant Professor DAHL. [Omitted in 1921-22.]

Semitic 88. Old Testament Quotations in the New Testament and the Apocrypha.
Two hours. Assistant Professor DAHL.

Semitic 90. Hebrew Wisdom Literature.
Two hours. Professor KENT. (See Biblical Literature H 27, College.)

Semitic 94. Textual Criticism of the Old Testament.
Two hours second term. Professor TORREY.

SOUTH ARABIAN AND ABYSSINIAN DIALECTS

Semitic 96. Elementary Ethiopic.
Two hours first term. Professor TORREY.

Semitic 97. Ethiopic Texts.
One hour first term. Professor TORREY.

HELLENISTIC AND TRANSLATION GREEK

Greek 100. Pauline Epistles.
Two hours first term. Professor BACON.

Greek 101. Synoptic Gospels.
Two hours second term. Professor BACON.

Greek 102. The Christological Epistles.
One hour first term. Professor BACON.

Greek 103. The Johannine Writings.
One hour. Professor BACON.

Greek 104. Hebrews and Catholic Epistles.
One hour. Professor BACON. [Omitted in 1921-22.]

Greek 106. The Wisdom of Solomon.
One hour. Professor PORTER.

Greek 107. The Revelation of John.
One hour. Professor PORTER. [Omitted in 1921-22.]

Greek 108. Hellenistic Judaism.
One hour. Professor PORTER. [Omitted in 1921-22.]

Greek 109. Palestinian Judaism of the Time of Christ.
Two hours first term. Professor PORTER.

Greek 115. The Original Semitic Gospels.

One hour first term. Professor TORREY. [Omitted in 1921-22.]

Greek 116. First Maccabees.

One hour second term. Professor TORREY. [Omitted in 1921-22.]

III. ROMANCE LANGUAGES AND LITERATURES

Professor LANG, Chairman; Professors CLARKE, LUQUIENS, WARREN; Assistant Professors R. T. HILL, ROSE; and Mr. BABBITT.

EQUIPMENT AND FACILITIES FOR STUDY

The ROMANCE SEMINARY ROOM, 14 Lampson Hall, contains about 600 reference books and texts for the use of graduate students. It also serves as a study room, and for meetings of the Romance Club.

The ROMANCE CLUB, consisting of the instructors and students in the department of Romance Languages and Literatures, meets every other Saturday morning at 11.30, to report on and discuss the results of recent scientific research in this field of study.

DESCRIPTION OF COURSES

ROMANCE

Romance 1. Seminary Course in Romance Languages and Literatures.

One hour. Professor LANG.

Romance 5. Introduction to Romance Philology.

One hour. [Omitted in 1921-22.]

FRENCH

FRENCH LANGUAGE AND PHONETICS

For elementary courses in French, see undergraduate courses.

French 8. Old French Language and Literature.

Two hours. Professor LANG.

French 10. Elementary Course in Old French Reading.

Two hours second term. Assistant Professor R. T. HILL. [Omitted in 1921-22.]

French 17. Phonetics of Modern French.

Two hours first term. Professor CLARKE. [Omitted in 1921-22.]

French 18. Modern French Syntax.

Conducted in French. Two hours. Professor CLARKE.

FRENCH LITERATURE

French 28. Early French Literature.

Two hours second term. Professor WARREN.

French 29. The Classical Drama.

Conducted in French. One hour. Assistant Professor SERONDE.

French 32. French Drama.

One hour. Professor WARREN. (See French H 1, College.)

**French 36. Modern French Literature.*

Three hours. Professor WARREN.

French 38. The Nineteenth Century.

Conducted in French. Two hours. Professor CLARKE.

French 41. The Beginnings of the Romantic Movement: Rousseau; Chateaubriand; Madame de Staël.

Two hours. Professor BABBITT.

PROVENÇAL

Provençal 5. Provençal Language and Literature.

Two hours. Assistant Professor R. T. HILL.

SPANISH

For an elementary course in Spanish, see undergraduate courses.

**Spanish 5. Spanish Fiction of the Sixteenth and Seventeenth Centuries.*

Three hours first term. Professor LANG. (See Spanish C 7a, College.)

**Spanish 10. Spanish Drama of the Sixteenth and Seventeenth Centuries.*

Three hours second term. Professor LANG. (See Spanish C 7b, College.)

Spanish 12. Didactic and Satirical Writings mainly of the Sixteenth and Seventeenth Centuries.

One hour. Assistant Professor ROSE.

Spanish 15. Beginnings of Spanish Literature.

One hour. Professor LANG.

Spanish 20. Spanish-American Literature.

Conducted in Spanish. Two hours. Professor LUQUIENS.

Spanish 30. The Teaching of Spanish.

One hour. Professor LUQUIENS.

PORTUGUESE

Portuguese 20. Portuguese Literature.

One hour. Professor LANG.

ITALIAN

For an elementary course in Italian, see undergraduate courses.

Italian 5. Dante.

Two hours. Professor LANG.

Italian 10. Petrarch and Boccaccio.

Two hours. Professor LANG. [Omitted in 1921-22.]

See also *Exercises in Latin Epigraphy and Palæography*, page 274, *Introduction to Comparative Syntax*, page 275, and *Bibliography*, page 286. Certain courses in general or comparative literature are announced under English Language and Literature.

IV. GERMANIC LANGUAGES AND LITERATURES

Professor GRUENER, Chairman; Professor CORWIN; Assistant Professors BENSON, FARR, SCHREIBER; Dr. J. A. SPAULDING; and Mr. SPECK.

EQUIPMENT AND FACILITIES FOR STUDY

The GERMAN SEMINARY ROOM, 12 Lampson Hall, contains a working library of about 2,500 books for the use of advanced students in the Germanic Languages. It also serves as a general study room for such students, and for the meetings of the Germanic Club.

The University Library houses the notable WILLIAM A. SPECK COLLECTION OF GOETHE LITERATURE, which includes all first and other important editions of Goethe's works, most of the books dealing with the Faust legend before Goethe's time, and most of the Faust dramas by other authors; also a very full representation of the translations into other languages of Goethe's works, a large body of commentaries, a large number of rare portraits of Goethe and his friends, manuscript letters by and about Goethe, by Schiller and other contemporaries, views of Weimar during Goethe's time, and a practically complete assemblage of medals struck in his honor. The Library also contains some 450 first editions of drama and other German and Latin works by German authors of the seventeenth and eighteenth centuries.

The GERMANIC CLUB, which meets on alternate Tuesday evenings, has for its object the presentation and discussion of original papers and of reviews of recent work in the Germanic languages and literatures.

DESCRIPTION OF COURSES

Germanic 5. Introduction to Germanic Philology.

Three hours. Professor GRUENER.

GERMAN LITERATURE

Germanic 15. German Literature of the Reformation Period (1500-1624).

Three hours. Professor GRUENER. [Omitted in 1921-22.]

**Germanic 16. History of German Literature, 1624-1832.*

Three hours. Assistant Professor BENSON. (See German C 23, College.)

**Germanic 25. German Epic, Ballad, and Lyric Poetry.*

Three hours. Professor GRUENER. (See German C 25, College.)

Germanic 32. Goethe.

Two hours. Assistant Professor SCHREIBER.

Germanic 33. Goethe's Personality and Influence.

One hour. Mr. SPECK.

Germanic 34. Goethe-Bibliography.

One hour. Mr. SPECK.

**Germanic 35. Goethe: Works and Life.*

Three hours. Professor GRUENER. (See German C 21, College.)

Germanic 37. Das Junge Deutschland.

Two hours. Assistant Professor SCHREIBER. [Omitted in 1921-22.]

**Germanic 38. German Literature of the Present.*

Three hours. Dr. SPAULDING. (See German C 20, College.)

THE GERMAN LANGUAGE

For elementary courses in German, see undergraduate courses.

Germanic 40. Gothic.

Two hours. Assistant Professor SCHREIBER.

Germanic 45. Old High German.

Three hours. Professor CORWIN. [Omitted in 1921-22.]

German 47. Middle High German.

Three hours. Professor GRUENER.

Germanic 49. History of New High German.

Two hours. Professor CORWIN.

SCANDINAVIAN

Germanic 55. Old Norse (Icelandic).

Three hours. Assistant Professor BENSON.

Germanic 60. Norwegian and Danish.

Two hours. Assistant Professor BENSON. [Omitted in 1921-22.]

Germanic 62. Swedish.

Three hours. Assistant Professor BENSON. [Omitted in 1921-22.]

Germanic 63. Swedish Literature.

Three hours. Assistant Professor BENSON.

For *Introduction to Comparative Syntax*, see page 275, and *Bibliography*, page 286. Certain courses in general and comparative literature are announced under English Language and Literature.

V. ENGLISH LANGUAGE AND LITERATURE

Professor LEWIS, Chairman; Professors BROOKE, CROSS, NETTLETON, PHELPS, TINKER; Assistant Professors BERDAN, CANBY, HEMINGWAY, PIERCE; Dr. MENNER, Dr. WEDEL; and Mr. BABBITT.

EQUIPMENT AND FACILITIES FOR STUDY

Room 24, Linsly Hall, is reserved for advanced students in the modern languages and literatures. At present it is general headquarters for the graduate students in English, and is regularly open from 8.30 A. M. till 10.00 P. M. It is adjacent to those stacks of the University Library which contain the books belonging to the modern literatures.

Among the notable collections in the University Library is a large collection of first and important editions of American *belles lettres* presented by Mr. Owen F. Aldis, B.A. 1874, and about 1,000 volumes of and concerning Henry Fielding's works, presented by Mr. Frederick S. Dickson, Ph.B. 1871. The Elizabethan Club Library contains a unique collection of early editions of the Elizabethan writers.

The ENGLISH CLUB, to which are invited all persons, whether members of the University or not, who are interested in the subjects presented, meets on alternate Monday evenings at 7.00 o'clock, in Linsly Hall, to listen to the presentation of some topic, and engage in the informal discussion of it. The club never remains in session over an hour, and thus other engagements for the same evening are not interfered with.

DESCRIPTION OF COURSES

GENERAL COURSES

English 4. The English Language.

Two hours. Professor BROOKE.

English 7. Theories of Poetry.

Two hours. Dr. WEDEL.

French 8. Old French Language and Literature.

Two hours. Professor LANG.

English 25. Renaissance Poetry.

Two hours. Assistant Professor BERDAN.

English 30. Anglo-Latin Poetry.

One hour. Professor BROOKE. [*To be given in 1922-23.*]

English 40. Literary Composition.

Two hours. Assistant Professor CANBY. [*Omitted in 1921-22.*]

English 49. General Reading.

One or two hours. Professor BROOKE.

ENGLISH LITERATURE

English 50. Old and Middle English.

Two hours. Dr. MENNER.

English 52. Advanced Old and Middle English.

Two hours. Dr. MENNER.

English 55. Seminary in Chaucer.

Three hours. Dr. MENNER.

English 57. English Mystery Plays (Seminary Course).

One hour. Assistant Professor HEMINGWAY. [*Omitted in 1921-22.*]

English 60. Sixteenth-Century Literature.

Two hours. Assistant Professor BERDAN.

English 63. Spenser and his Age.

Two hours. Assistant Professor BERDAN.

English 65. Sixteenth-Century Drama.

Two hours. Professor BROOKE.

English 81. Seminary in Shakespeare.

Two hours. Professor BROOKE.

English 90. English Literature of the Seventeenth Century.

Two hours. Professor PHELPS.

English 95. The English Drama since 1642.

This course is divided into two parts, given in alternate years, each part complete in itself. (a) *English Drama from Dryden to Goldsmith*. One or two hours. (b) *English Drama from Goldsmith to Tennyson*. One or two hours. [Omitted in 1921-22.] Professor NETTLETON.

English 98. Conferences on English Drama.

Two hours. Professor NETTLETON. [To be given if called for.]

English 104. Shakespeare since 1660.

Two hours. Professor NETTLETON. [Omitted in 1921-22.]

English 110. The Age of Johnson (Seminary Course).

Two hours. Professor TINKER.

French 41. The Beginnings of the Romantic Movement: Rousseau; Chateaubriand; Madame de Staël.

Two hours. Professor BABBITT.

English 115. The Romantic Generation.

Two hours second term. Assistant Professor PIERCE.

English 120. Nineteenth-Century Poets.

One hour. Professor LEWIS.

English 125. English Prose Fiction, with Special Reference to the Nineteenth Century.

One hour. Professor CROSS.

English 137. American Literature and American Civilization.

Two hours. Assistant Professor CANBY. [Omitted in 1921-22.]

**English 138. American Literature.*

Two hours. Professor PHELPS. (See English B 21, College.) [Omitted in 1921-22.]

English 142. Browning Seminary.

Two hours. Professor PHELPS. [Omitted in 1921-22.]

**English 150. Contemporary Drama.*

Two hours. Professor PHELPS. (See English C 47, College.)

English 155. Contemporary Poetry.

One hour. Assistant Professor PIERCE.

For *Introduction to Comparative Syntax*, see page 275, *Gotbic and Old Norse*, page 282, and *Bibliography*, page 286.

VI. THE FINE ARTS

Assistant Professor DAVENPORT, Acting Chairman; Professors KENDALL, MEES, TAYLOR; and Assistant Professor STEVENS.

EQUIPMENT AND FACILITIES FOR STUDY

Connected with the department of the Fine Arts are the following collections, all of which are open to students:

The Jarves Collection, the Trumbull Collection, the Modern Picture Collection, Casts of Antique and Renaissance Sculpture, Wheeler Collection, Wells Williams Collection of Oriental Ceramics, Alden Collection of Belgian Wood Carvings, the Art School Library, and the special library in the department of architecture, all in the Art School Building. Other collections in University buildings are: The Salisbury Collection of Oriental manuscripts, books, and works of reference; the Library of the American Oriental Society; the Landberg Collection of Arabic manuscripts; the Babylonian Collection; the Whiting Collection of Palestinian pottery and terra cotta; the Numismatic Collection in the University Library; the Rebecca Darlington Stoddard Collection of Greek and Etruscan Vases; and the collection of Egyptian Antiquities. Description of these collections will be found on pages 81, 84, and 272 of this Catalogue.

DESCRIPTION OF COURSES

Fine Arts 1. Seminary in the Fine Arts.

Six hours. Assistant Professor DAVENPORT.

**Archæology 15. Roman and Etruscan Art.*

Three hours. Assistant Professor BAUR. (See Classical Archæology C 7, College.)

**Archæology 18. Greek and Roman Sculpture.*

Three hours. Assistant Professor BAUR. (See Classical Archæology C 1, College.)

**Archæology 20. Greek Architecture.*

Three hours. Assistant Professor BAUR. (See Classical Archæology C 5, College.) [Omitted in 1921-22.]

**Art 4. History of Mediæval Architecture.*

Two hours. Assistant Professor DAVENPORT. (See Art B 4, College.)

**Art 6. History of Renaissance Architecture.*

Two hours. Assistant Professor DAVENPORT. (See Art B 6, College.) [Omitted in 1921-22.]

**Art 8. History of Renaissance Painting and Sculpture.*

Two hours. Assistant Professor DAVENPORT. (See Art B 8 and B 9, College.) [Omitted in 1921-22.]

Art 11. History of Mediæval Painting and Sculpture.

Two hours. Assistant Professor DAVENPORT.

Art 20. Advanced Freehand Drawing.

Six hours, to count as three hours. Professor TAYLOR.

**Art 25. Advanced Architecture.*

With or after Art B 3. Six hours, to count as three hours. Professor MEEKS and Assistant Professor STEVENS. (See Art C 10, College.)

**Art 30. Advanced Architectural Design.*

Twenty hours first term and first half of second term, to count as ten hours. Professor MEEKS.

**History 3. History of the Ancient World.*

Three hours. Assistant Professor WILLIAMS. (See History B 3, College.)

**History 15. The Renaissance.*

After History A 1 or with the consent of the instructors. Three hours first term. Assistant Professor DAVENPORT. (See History B 15a, College.) [Omitted in 1921-22.]

FRENCH OR ITALIAN

Students must offer at least three year hours in that modern language not offered upon admission. In addition, students will be required, either before registering for the Master's degree or during the course of study, to take the two following courses:

**French 7. Second-Year French.*

Three hours. Dr. EDGERLY. (See French A 3, College.)

**Italian 3. Italian Literature of the Nineteenth Century.*

Two hours. Mr. GRIMM. (See Italian B 3, College.)

ENGLISH

English 4. The English Language.

Two hours. Professor BROOKE.

**English 38. English Literature of the Seventeenth Century.*

One hour. Professor TINKER. (See English C 44, College.)

English 40. Literary Composition.

Two hours. Assistant Professor CANBY. [Omitted in 1921-22.]

English 125. English Prose Fiction, with Special Reference to the Nineteenth Century.

One hour. Professor CROSS.

UNCLASSIFIED COURSES

JAPANESE

Japanese 5. Elementary Japanese.

Two hours. Assistant Professor ASAKAWA.

Japanese 10. Modern Practical Japanese.

Two hours. Assistant Professor ASAKAWA.

USE OF THE LIBRARY

Bibliography 5. Bibliography.

Mr. KEOGH.

B. HISTORY AND THE SOCIAL SCIENCES

VII. HISTORY

Professor A. JOHNSON, Chairman; Professors ANDREWS, BINGHAM, FARRAND, LATOURETTE, MITCHELL, SEYMOUR, WALKER; Associate Professor HARING; Assistant Professors ASAKAWA and WILLIAMS.

EQUIPMENT AND FACILITIES FOR STUDY

The HISTORY SEMINARY ROOM, 25 Linsly Hall, is reserved as general headquarters for graduate students in History. It is equipped with tables and provided with a working collection of the more useful books of reference, and is adjacent to those stacks of the University Library which contain the books belonging to the field of history.

DESCRIPTION OF COURSES

History 8. Palæography and Diplomatic.

Two hours first term. Assistant Professor WOODBINE.

History 10. Methods of Historical Research and Criticism.

One hour first term. Professor FARRAND.

**History 20. Ancient History from the Beginnings.*

Three hours. Assistant Professor F. W. WILLIAMS. (See History B 3, College.)

History 35. General Church History (First Course).

Two hours. Mr. BAINTON.

History 37. General Church History (Second Course).

Two hours. Mr. BAINTON.

History 51. England in the Middle Ages.

Two hours. Professor MITCHELL.

History 52. France in the Middle Ages.

Two hours. Professor MITCHELL. [Omitted in 1921-22.]

History 60. The History of England, 1663-1715.

Two hours. Associate Professor HARING.

History 62. Continental Europe in the Sixteenth and Seventeenth Centuries.

Two hours. Associate Professor HARING.

History 65. History of Europe during the Nineteenth Century.

Two hours. Professor SEYMOUR.

History 75. The History of England since 1815.

Two hours. Professor SEYMOUR. [To be offered in 1922-23.]

History 84. American Colonial Institutions.

Two hours. Professor ANDREWS.

History 86. British Colonial Administration and Policy.

Two hours. Professor ANDREWS.

History 88. Commercial History of the American Colonies.

Two hours. Professor ANDREWS. [To be offered in 1922-23.]

History 90. Colonial Institutions in the Eighteenth Century.

Two hours. Professor ANDREWS. [To be offered in 1922-23.]

History 92. Colonial Union: Plans and Tendencies.

Two hours. Professor ANDREWS. [To be offered in 1923-24.]

History 94. Colonial Settlement and Expansion.

Two hours. Professor ANDREWS. [To be offered in 1923-24.]

History 112. History of the People of the United States.

One hour. Professor FARRAND. [Omitted in 1921-22.]

History 114. The History of American Polity, 1750-1783.

Two hours. Professor ALLEN JOHNSON.

History 115. The History of American Polity, 1783-1800.

Professor ALLEN JOHNSON. [To be offered in 1922-23.]

History 124. The Literature of American History.

One hour. Professor ALLEN JOHNSON.

History 131. American Social and Intellectual Development.

Two hours. Professor FARRAND.

History 142. History of the Incas.

A knowledge of Spanish is required. Three hours first term. Professor BINGHAM.

History 143. Latin-American Commerce.

Three hours first term. Professor BINGHAM. [Omitted in 1921-22.]

History 144. Latin-American Diplomacy.

A knowledge of Spanish is required. Three hours first term. Professor BINGHAM.

History 146. South American Wars of Independence.

A knowledge of Spanish is required. Three hours first term. Professor BINGHAM.

**History 150. Hispanic America, Colonial Era.*

Three hours first term. Associate Professor HARING. (See History B 30a, College.)

**History 152. Hispanic America in the Nineteenth and Twentieth Centuries.*

Three hours second term. Associate Professor HARING. (See History B 30b, College.)

History 154. Colonial Spanish America.

Two hours. Associate Professor HARING. [Omitted in 1921-22.]

**History 160. Chinese Culture and Institutions.*

Two hours. Assistant Professor F. W. WILLIAMS. (See History C 41, College.)

History 170. Western Diplomatic Intercourse with Asiatic Nations.

Two hours. Assistant Professor F. W. WILLIAMS.

History 184. Religious History of Japan.

Two hours. Assistant Professor ASAKAWA.

History 185. History of Japanese Buddhism.

Two hours. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

History 186. Selected Topics of East Asiatic Culture.

One hour. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

History 188. Institutional History of Japan.

Two hours. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

History 189. Selected Topics of East Asiatic Institutions.

One hour. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

History 194. History of China in the Nineteenth Century.

Two hours. Professor LATOURETTE.

A few of the courses in Classical and Indo-Iranian Philology, in Semitic Languages, and in the History of Religion are mainly or partly historical in character, dealing with Greek, Roman, Semitic, and Church History. For *Bibliography*, see page 286, *Historical Origins of the Church, Christian Literature from Clement of Rome to Eusebius, History of Christian Doctrine*, and *The Development of New England Religious Thought*, see Group X. For *International Law* and *Roman Law*, see Group VIII. For *Constitutional Law* (Professor TAFT), see Catalogue of the School of Law.

VIII. SOCIAL AND POLITICAL SCIENCE

Professor DAY, Chairman for the Graduate School; Professor FAIRCHILD, Chairman for University; Professors T. S. ADAMS, A. L. BISHOP, BORCHARD, FERRIS, FISHER, GAGER, A. JOHNSON, KELLER, LORENZEN; DR. PERSONS; Assistant Professor WESTERFIELD, Secretary; Assistant Professors BIDWELL, DAVIE, FURNISS, MACCURDY, SALIERS, and WOODBINE.

EQUIPMENT AND FACILITIES FOR STUDY

The BOOCOCK LIBRARY (founded in 1896 by Mr. and Mrs. S. W. Boocock) is a departmental library in Social Science which supplies students with special works in that subject. The main body of this library is deposited and catalogued with the University Library and contains about 700 books; but a number of duplicate books for seminary use are placed in Sloane Lecture Hall. For the privileges of the Boocock Library, students should apply to Professor Keller.

The ANTHROPOLOGY CLUB meets in Room 21, Sloane Lecture Hall, for papers and round-table discussions in Anthropology (Historical and Somatic), Ethnology, Sociology, and Demography.

The ECONOMICS CLUB, comprising the graduate students and instructors in Social and Political Science, has its headquarters in the Seminary Room, Room 12B, Sloane Lecture Hall. This room contains the departmental library, and is open to members at all times.

Students have opportunities to visit such charitable and penal institutions and agencies of social betterment as are in New Haven or within easy access of it.

DESCRIPTION OF COURSES

ECONOMICS

**Economics 1. Elements of Economics.*

Three hours. Professor DAY. (See Economics A 1, College.)

Economics 2. Method and Bibliography of Economics.

One hour. Professor DAY.

Economics 4. Principles of Economics.

Three hours. Professor FAIRCHILD. [Omitted in 1921-22.]

**Economics 10. Statistics.*

Three hours second term. Assistant Professor SALIERS. (See Economics C 23b, College.)

Economics 11. Price Levels.

Three hours second term. Professor FISHER.

Economics 16. History of Economics.

Two hours. Professor DAY.

**Economics 18. Socialism and Social Reform.*

Three hours first term. Assistant Professor FURNISS. (See Economics C 15a, College.)

Economics 20. Economic History.

Three hours first term. Professor DAY.

**Economics 26. Economic History of the United States since 1860.*

Two hours second term. Assistant Professor BIDWELL. (See Social Science 6, Sheffield.)

**Economics 35. Economic Organization.*

Three hours second term. Professor DAY. (See Economics C 7b, College.)

**Economics 38. Distributing Systems.*

Three hours first term. Assistant Professor WESTERFIELD. (See Economics C 11a, College.)

Economics 48. Commercial Relations of the United States.

Three hours first term. Professor A. L. BISHOP. [Omitted in 1921-22.]

**Economics 49. Foreign Trade.*

Three hours first term. Assistant Professor FURNISS. (See Economics C 14a, College.)

**Economics 50. Business Economics.*

Three hours second term. Assistant Professor WESTERFIELD. (See Economics B 5b, College.)

**Economics 52. Corporations.*

Three hours first term. Professor A. L. BISHOP. (See Economics C 21b, College.)

**Economics 54. Accounts.*

Three hours second term. Assistant Professor SALIERS. (See Economics C 19a, College.)

Economics 60. Insurance.

Three hours first term. Professor A. L. BISHOP.

**Economics 66. Public Finance.*

Three hours second term. Professor FAIRCHILD. (See Economics C 9b, College.)

Economics 67. Public Finance.

Three hours second term. Professor FAIRCHILD.

Economics 68. Public Expenditures.

Two hours. Professor T. S. ADAMS. [Omitted in 1921-22.]

Economics 69. Valuation.

Two hours second term. Professor T. S. ADAMS. [Omitted in 1921-22.]

**Economics 70. Financial History of the United States.*

Three hours first term. Professor FAIRCHILD. (See Economics B 3a, College.)

Economics 71. American Federal Finance.

Two hours. Professor T. S. ADAMS.

**Economics 75. Banking.*

Three hours second term. Assistant Professor WESTERFIELD. (See Economics C 13b, College.)

Economics 81. Commercial Crises and their Forecast.

Two hours first term. Professor PERSONS.

**Economics 92. The Labor Problem.*

Three hours second term. Assistant Professor FURNISS. (See Economics C 17b, College.)

ANTHROPOLOGY AND SOCIOLOGY

**Anthropology 5. Science of Society.*

Two hours. Professor KELLER. (See Anthropology B 3, College.)

**Anthropology 10. Applied Sociology.*

Three hours. Assistant Professor DAVIE. (See Anthropology B 5, College.)

**Anthropology 12. American Society.*

Two hours. Assistant Professor DAVIE. (See Anthropology B 7, College.)

**Anthropology 15. The Natural History of Man.*

Two hours. Professor FERRIS. (See Anthropology C 9, College.)

Anthropology 20. Self-Maintenance of Society.

Two hours. Professor KELLER. [Omitted in 1921-22.]

Anthropology 25. Self-Perpetuation of Society.

Two hours. Professor KELLER. [Omitted in 1921-22.]

Anthropology 30. The Mental Outfit.

Two hours. Professor KELLER.

Anthropology 35. Sociological Systems.

Two hours. Professor KELLER.

Anthropology 37. Social Administration.

Two hours. Assistant Professor DAVIE. [To be offered in 1922-23.]

Anthropology 40. Physical Anthropology.

Three hours first term. Assistant Professor MACCURDY. [Omitted in 1921-22.]

Anthropology 45. Human Origins.

Three hours second term. Assistant Professor MACCURDY. [Omitted in 1921-22.]

Anthropology 50. American Archaeology.

Three hours first term. Assistant Professor MACCURDY. [Omitted in 1921-22.]

Anthropology 55. Archaeology of Mexico, Central America, and Peru.

Three hours second term. Assistant Professor MACCURDY. [Omitted in 1921-22.]

POLITICAL SCIENCE AND LAW

History 114. The History of American Polity, 1750-1783.

Two hours. Professor ALLEN JOHNSON.

History 115. The History of American Polity, 1783-1800.

Two hours. Professor ALLEN JOHNSON. [To be offered in 1922-23.]

Law 1. Administrative Law and Public Officers.

Three hours first term. Professor BORCHARD.

Law 5. International Law.

Two hours. Professor BORCHARD.

Law 8. Jurisprudence.

Two hours second term. Professor GAGER.

Law 10. Legal History.

Two hours first term. Professor GAGER.

Law 15. Roman Law and Modern Developments.

Two hours. Professor LORENZEN.

Law 20. Early English Legal Literature.

Two hours. Assistant Professor WOODBINE.

IX. PHILOSOPHY AND PSYCHOLOGY

Professor BAKWELL, Chairman; Professors ANGIER, DUNCAN, MACINTOSH, SHELDON, SNEATH, WEIGLE; Assistant Professors J. E. ANDERSON, BENNETT; Dr. BAGBY, Mr. DE WEERDT, and Mr. H. W. ROGERS.

EQUIPMENT AND FACILITIES FOR STUDY

The PHILOSOPHICAL SEMINARY ROOM, in Linsly Hall, is fitted up for the use of graduate students in Philosophy. It contains the departmental library of 11,717 volumes, and may be utilized for purposes of study at all times.

The HEALY PHILOSOPHICAL LIBRARY, founded by a gift of \$10,000 from Mrs. Susie Healy Camp, of Hartford, as a memorial of her father, William Arnold Healy, and located in the Philosophical Seminary Room, consists of 1,500 volumes (to which additions are constantly being made), besides the current philosophical and psychological periodicals. It aims to afford all the advantages of a well selected consulting library for the students of Philosophy.

The PSYCHOLOGICAL LABORATORY, at 307 York street, is thoroughly equipped for both instruction and original research. In addi-

tion to the provisions for work in Experimental Psychology, there are sections for work in Educational Psychology. Each student pursuing investigations is provided with space and apparatus. The results of accepted investigations are published.

The LABORATORY OF EDUCATIONAL PSYCHOLOGY is well equipped for experimental studies. The coöperative relations between the Graduate School and the State Department of Education make possible concrete investigations and surveys in the educational field; while the facilities of the Juvenile Psychoclinic and the New Haven Dispensary permit research in various phases of child hygiene and the psychology of exceptional children.

The PHILOSOPHICAL CLUB, composed of the instructors in the department and all graduate students who take courses in Philosophy, affords an opportunity for the presentation and discussion of the results of original research by its members, and for hearing addresses and papers from distinguished authorities on philosophical subjects who are not connected with the department as teachers.

DESCRIPTION OF COURSES

PHILOSOPHY

**Philosophy 7. Ethics.*

Three hours. Assistant Professor BENNETT. (See Philosophy B 5, College.)

**Philosophy 10. Logic.*

Three hours first term. Professors DUNCAN and SHELDON. (See Philosophy A 1a, College.)

**Philosophy 12. Elements of Philosophy.*

Three hours second term. Professor DUNCAN. (See Philosophy A 3b, College.)

**Philosophy 15. History of Philosophy.*

Three hours. Professor BAKEWELL. (See Philosophy A 2, College.)

**Philosophy 21. Modern Idealism.*

Two hours. Professor BAKEWELL. (See Philosophy B 9, College.)

**Philosophy 22. English Philosophy since Hume.*

Three hours second term. (See Philosophy B 7b, College.) [Omitted in 1921-22.]

**Philosophy 25. Modern Philosophical Systems.*

Three hours first term. Professor DUNCAN. (See Philosophy B 6a, College.)

**Philosophy 30. Platonic Idealism.*

Two hours. Professor BAKEWELL. (See Philosophy B 17, College.) [Omitted in 1921-22.]

Philosophy 35. The Philosophy of Aristotle.

Two hours. Professor BAKEWELL.

Philosophy 40. Problems and Methods of Philosophy.

Two hours. Professor BAKEWELL.

Philosophy 41. *Philosophy of Religion.

Two hours. Assistant Professor BENNETT. (See Philosophy B 14, College.)

Philosophy 42. Seminary in the Philosophy of Religion.

Two hours. Assistant Professor BENNETT.

Philosophy 44. *Ethical Seminary.*

Two hours. Assistant Professor BENNETT.

Philosophy 45. *Metaphysics.*

Two hours first term. Professor DUNCAN. [Omitted in 1921-22.]

Philosophy 50. *Epistemology.*

Two hours first term. Professor DUNCAN.

Philosophy 55. *Philosophy of Mind.*

Two hours second term. Professor DUNCAN.

Philosophy 60. *Principles of Logic.*

Two hours second term. Professor DUNCAN. [Omitted in 1921-22.]

Philosophy 103. *Philosophy of the State.

Three hours. Professor SHELTON. (See Philosophy B 18, College.)

Philosophy 104. *The Philosophy of Nature.

Three hours. Professor SHELTON. (See Philosophy B 15, College.)

Philosophy 106. *Metaphysical Seminary.

Two hours. Professor SHELTON.

For courses in Philosophy of Religion, by Professors MACINTOSH and SNEATH, see Group X. For courses in Religious Education, by Professors SNEATH and WEIGLE, see Group XI.

PSYCHOLOGY

Psychology 4. *Psychology.

Three hours. Professor ANGIER, Assistant Professor J. E. ANDERSON, Dr. BAGBY, Mr. H. W. ROGERS, and Mr. DE WEERDT. (See Psychology A 4, College.)

Psychology 63. *Dynamic Psychology.

Three hours second term. Assistant Professor J. E. ANDERSON. (See Psychology B 12b, College.)

Psychology 65. *Psychological Theory and Methods.*

Two hours. Professor ANGIER and Assistant Professor J. E. ANDERSON. [Given in alternate years. Omitted in 1921-22.]

Psychology 66. *Physiological Psychology.*

Two hours. Assistant Professor J. E. ANDERSON and Dr. BAGBY. [Given in alternate years.]

Psychology 69. *Advanced Laboratory Psychology.

Five hours, to count as three hours for the year. Assistant Professor J. E. ANDERSON. (See Psychology C 19, College.)

Psychology 72. *Experimental Psychology (Laboratory Course).

Five hours, to count as three hours for the year. Mr. H. W. ROGERS. (See Psychology B 11, College.)

**Psychology 77. Applied Psychology.*

Three hours. Mr. H. W. ROGERS. (See Psychology B 18, College.)

**Psychology 78. Vocational Psychology.*

Four hours, to count as three hours, first term. Mr. H. W. ROGERS.

**Psychology 79. Psychology of Advertising.*

Four hours, to count as three hours, second term. Mr. H. W. ROGERS.
(See Psychology C 25b, College.)

**Psychology 82. The Psychology of Instinct and Emotion.*

Three hours first term. Dr. BAGBY. (See Psychology B 12a, College.)

**Psychology 84. Social Psychology.*

Two hours. Dr. BAGBY. (See Psychology B 16, College.)

X. RELIGION

Professor MACINTOSH, Chairman; Professors BACON, BAKEWELL, CLAY, DUNCAN, HOPKINS, PORTER, SNEATH, TORREY, WALKER; Assistant Professors ARCHER, ASAKAWA, BENNETT, and DAHL.

SPECIAL REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

The special requirements in Religion are in two fields: Historical and Contemporary Religion and the Philosophy of Religion. A statement of these requirements in detail may be found in the Catalogue of the Graduate School.

SPECIAL REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

The normal period of graduate study for this degree is two years. Candidates hoping to receive the degree after one year of resident study must satisfy the department that they have attained proficiency in preliminary studies in Comparative Religion, Old and New Testament Literature, Church History, and Theology.

DESCRIPTION OF COURSES

Indic 30. Lectures on Comparative Religion.

One hour. Professor HOPKINS.

Indic 6. Advanced Sanskrit.

Two hours. Professor HOPKINS.

Indic 10. History of Sanskrit Literature.

One hour. Professor HOPKINS.

Indic 15. Pāli Language and Literature.

One hour. Professor HOPKINS.

Indic 21. Lectures on History of Hindu Theism.

One hour. Professor HOPKINS. [Omitted in 1921-22.]

Indic 25. Avestan Language and Literature.

One hour. Professor HOPKINS. [Omitted in 1921-22.]

**Religion 28. The Religions of Asia.*

One hour. Professor LATOURETTE and Assistant Professor ARCHER.

Religion 30. The Religions of India.

Two hours. Assistant Professor ARCHER.

Religion 32. The Religions of China.

Two hours. Professor LATOURETTE. [Omitted in 1921-22.]

History 184. Religious History of Japan.

Two hours. Assistant Professor ASAKAWA.

History 185. History of Japanese Buddhism.

Two hours. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

Semitic 82. Sumerian and Babylonian Religious Texts.

One hour. Professor CLAY.

Semitic 35. The Koran.

Three hours first term. Professor TORREY.

Religion 75. The History of Islam.

Two hours. Assistant Professor ARCHER.

Semitic 94. Textual Criticism of the Old Testament.

Two hours second term. Professor TORREY.

**Religion 105. Old Testament History and Literature.*

Three hours. Assistant Professor DAHL.

Semitic 87. Hebrew Poetry.

Two hours. Assistant Professor DAHL.

Semitic 90. Hebrew Wisdom Literature.

Two hours. Professor KENT.

Greek 106. The Wisdom of Solomon.

One hour. Professor PORTER.

**Semitic 28. Israel's Social Ideals and Institutions.*

Two hours. Professor KENT.

Religion 130. Biblical Theology of the Old Testament.

Two hours. Professor PORTER.

Religion 136. Greek Old Testament.

A rapid reading course. Professor TORREY.

Greek 108. Hellenistic Judaism.

Two hours first term. Professor PORTER. [Omitted in 1921-22.]

Greek 109. Palestinian Judaism of the Time of Christ.

Two hours first term. Professor PORTER.

**Religion 150. New Testament Literature.*

Two hours. Professor BACON.

Religion 152. Canon and Text of the New Testament.

One hour first term. Professor BACON.

Semitic 88. Old Testament Quotations in the New Testament and the Apocrypha.

Two hours. Assistant Professor DAHL.

Greek 100. *Pauline Epistles.*

Two hours first term. Professor BACON.

Greek 101. *Synoptic Gospels.*

Two hours second term. Professor BACON.

Greek 115. *The Original Semitic Gospels.*

One hour first term. Professor TORREY. [Omitted in 1921-22.]

Semitic 55. *The Old Syriac Gospels.*

Two hours first term. Professor TORREY. [Omitted in 1921-22.]

Greek 102. *The Christological Epistles.*

One hour first term. Professor BACON.

Greek 103. *The Johannine Writings.*

One hour. Professor BACON.

Greek 104. *Hebrews and Catholic Epistles.*

One hour. Professor BACON. [Omitted in 1921-22.]

Greek 107. *The Revelation of John.*

One hour. Professor PORTER. [Omitted in 1921-22.]

Religion 185. *Biblical Theology of the New Testament.*

Three hours. Professor PORTER.

Religion 187. *History of Biblical Conceptions.*

Two hours second term. Professor PORTER.

Religion 190. *The Teaching of Jesus.*

One hour second term. Professor BACON.

Religion 200. *Historical Origins of the Church.*

Two hours second term. Professor BACON.

Religion 202. *Patristic Greek.*

One hour second term. Professor BACON.

Religion 205. *Christian Literature from Clement of Rome to Eusebius.*

One hour. Professor WALKER. [Omitted in 1921-22.]

*History 35. *General Church History (First Course).*

Two hours. Mr. BAINTON.

*History 37. *General Church History (Second Course).*

Two hours. Mr. BAINTON.

Religion 220. *History of Christian Doctrine.*

Two hours. Professor WALKER.

Religion 227. *The Development of New England Religious Thought.*

One hour. Professor WALKER. [Omitted in 1921-22.]

Religion 230. *The Religious Content of Literature.*

Two hours. Dr. DINSMORE.

Education 80. *History of Religious Education.*

Two hours. Professor WEIGLE.

*Religion 24b. *Theology and Metaphysics.*

Three hours. Professor MACINTOSH.

Religion 250. *Contemporary Theology.*

Two hours. Professors MACINTOSH and TWEEDY.

Religion 255. Seminary in Theology.

One or two hours. Professor MACINTOSH.

Religion 260. Seminary in Theism.

One or two hours. Professor MACINTOSH. [Omitted in 1921-22.]

**Religion 265. Christian Ethics.*

Two hours. Professors SNEATH, BACON, and MACINTOSH, with the coöperation of experts on various phases of modern social life.

Religion 270. History of Ethics.

Two hours. Professor SNEATH.

Philosophy 44. Ethical Seminary.

Two hours. Assistant Professor BENNETT.

Religion 275. Psychology of Religion.

Two hours. Professor SNEATH.

Religion 278. Seminary in the Psychology of Religion.

Two hours. Professors SNEATH and WEIGLE. [Omitted in 1921-22.]

**Religion 285. Introduction to the Philosophy of Religion.*

(a) *Historical.* Two hours first term. Professor SNEATH.

(b) *Systematic.* Two hours second term. Professor MACINTOSH.

Religion 287. Seminary in the Philosophy of Religion.

Two hours. Professor SNEATH.

Philosophy 42. Seminary in the Philosophy of Religion.

Two hours. Assistant Professor BENNETT. [Omitted in 1921-22.]

Religion 299 and 300. Religion and Contemporary Philosophy.

Two courses, given in alternate years. *Religion 299. Contemporary Epistemology.* Two hours. Professor MACINTOSH. *Religion 300. Contemporary Metaphysics.* Two hours. Professor MACINTOSH. [Omitted in 1921-22.]

SUPPLEMENTARY COURSES

Full or partial credit will be given in Historical and Contemporary Religion for a limited number of courses in allied fields of study described in this Catalogue, and listed below. Full or partial credit will also be given in the Philosophy of Religion, for the Philosophy courses in this list.

**Anthropology 5. Science of Society.*

**Anthropology 15. Natural History of Man.*

Anthropology 30. The Mental Outfit.

**History 20. Ancient History from the Beginnings.*

**History 160. Chinese Culture and Institutions.*

History 186. Selected Topics of East Asiatic Culture.

History 188. Institutional History of Japan.

History 189. Selected Topics of East Asiatic Institutions.

Semitic 20. Semitic Archaeology.

Semitic 38. Arabic Historians.

Semitic 60. Biblical and Palestinian Aramaic.

Greek 116. First Maccabees.

- *Greek 42. *Homer.*
- *Philosophy 30. *Platonic Idealism.*
- Philosophy 35. *The Philosophy of Aristotle.*
- Italian 5. *Dante.*
- Education 62. *Educational Psychology.*
- *Philosophy 15. *History of Philosophy.*
- *Philosophy 21. *Modern Idealism.*
- *Philosophy 25. *Modern Philosophical Systems.*
- Philosophy 45. *Metaphysics.*
- Philosophy 50. *Epistemology.*
- *Philosophy 55. *Philosophy of Mind.*
- Philosophy 60. *Principles of Logic.*
- *Philosophy 103. *Philosophy of the State.*
- *Philosophy 104. *The Philosophy of Nature.*
- Philosophy 106. *Metaphysical Seminary.*
- *Psychology 63. *Dynamic Psychology.*
- Psychology 65. *Psychological Theory and Methods.*
- *Psychology 84. *Social Psychology.*
- *Economics 18. *Socialism and Social Reform.*
- *Economics 92. *The Labor Problem.*

XI. EDUCATION

Professor F. E. SPAULDING, Chairman; Professors GESELL, WEIGLE; Associate Professors J. C. CHAPMAN, COUNTS; Assistant Professor BRYCE; Mr. DAVIS, Mr. MEREDITH, and Miss COBB.

EQUIPMENT AND FACILITIES FOR STUDY

In the building at 28 Hillhouse Avenue, which is occupied entirely by the Department of Education, are located the administrative offices, classrooms, laboratories, and a departmental library, well supplied with the books, monographs, magazines, reports, and current literature of various kinds needed for constant use.

The University Library is well equipped with works on education, both general and technical, and with current and past issues of educational journals. Through the generosity of Dr. James H. Penniman, B.A. 1884, the number of such works in the University Library is rapidly increasing.

The facilities of the University Psychoclinic and the New Haven Dispensary permit research in various phases of child hygiene and the psychology of exceptional children. The Psychoclinical service comprises three fields of work: 1. Consultation service at the Yale University Polyclinic for backward, defective, and delinquent children; 2. Educational service at the Psychoclinic laboratory for relatively normal and gifted children who present special educational problems; 3. Field work in public schools and institutions, including mental surveys and organization of special classes. This Psycho-

clinic furnishes to qualified students opportunities for training, observation, and research.

DESCRIPTION OF COURSES

Certain courses are arranged especially for teachers actually employed in the public schools of New Haven or the other public schools of the State of Connecticut. Such teachers are permitted to take these and other courses in Education which they are qualified to pursue on the payment of a special fee of \$5 for each hour of instruction per week through a term. Only by special arrangement with the chairman of the department, and on payment of the full regular fee, can these courses be credited toward the degree of Master of Arts or Doctor of Philosophy.

Education 33. Educational Organization and Administration.

Three hours. Professor F. E. SPAULDING.

Education 34. Problems in School Administration.

Two hours. Professor F. E. SPAULDING.

Education 35. School Surveys.

Two hours first term. Professor F. E. SPAULDING.

Education 36. School Reports.

Two hours second term. Professor F. E. SPAULDING.

Education 38. Principles and Methods of Teaching in Secondary Schools.

One hour. Mr. MEREDITH and Mr. DAVIS.

Education 39. History and Principles of Education: An Introductory Course.

Three hours. Associate Professor COUNTS.

Education 40. Organization and Administration of Secondary Education.

Three hours. Associate Professor COUNTS.

Education 43. Elementary Education.

Four hours. Assistant Professor BRYCE.

Education 45. Teaching of the Language Arts.

Two hours first term; repeated second term. Saturday. Assistant Professor BRYCE.

Education 47. Hygiene of the Pre-School Child.

Minor problems for investigation will be assigned. Two hours first term. Professor GESELL.

Education 50. Educationally Exceptional Children.

One hour. Professor GESELL.

Education 60. Clinical Child Psychology.

Two hours. Professor GESELL.

Education 61. Psychoclinical Practice.

Two hours second term. Professor GESELL.

**Education 62. Educational Psychology (Descriptive).*

Two hours first term. Associate Professor CHAPMAN.

*Education 63. *Educational Psychology (Quantitative and Laboratory).*

Three hours. Associate Professor CHAPMAN.

Education 66. *Educational Statistics.*

Two hours second term. Associate Professor CHAPMAN.

Education 67. *Educational Measurements.*

Two hours first term. Associate Professor CHAPMAN.

RELIGIOUS EDUCATION

*Education 75. *Analysis and Educational Use of Biblical Material.*

Two hours. Professor KENT. (See Biblical Literature C 19, College.)

Education 78. *Theory of Religious Education.*

Two hours. Professor WEIGLE.

Education 80. *History of Religious Education.*

Two hours. Professor WEIGLE.

Education 81. *Seminary in Religious Education.*

Two hours. Professor WEIGLE.

*Education 84. *Organization of Religious Education.*

Two hours. Professor WEIGLE.

Education 87. *Psychological Principles of Moral and Religious Education in Childhood.*

Two hours first term. Professor SNEATH.

Education 89. *Psychological Principles of Moral and Religious Education in Adolescence.*

Two hours second term. Professor SNEATH.

The following courses in allied fields of study, described in this Catalogue, may be taken by graduate students in Education:

*Anthropology 10. *Applied Sociology.*

*Anthropology 15. *The Natural History of Man.*

Anthropology 30. *The Mental Outfit.*

Anthropology 40. *Physical Anthropology.*

*Economics 66. *Public Finance.*

*Philosophy 7. *Ethics.*

*Philosophy 10. *Logic.*

*Philosophy 12. *Elements of Philosophy.*

*Philosophy 15. *History of Philosophy.*

Philosophy 40. *Problems and Methods of Philosophy.*

*Psychology 72. *Experimental Psychology.*

*Psychology 77. *Applied Psychology.*

*Psychology 84. *Social Psychology.*

*Zoology 31. *Genetics.*

Zoology 83. *Special Sense Organs.*

Zoology 80. *Human Anatomy.*

*Geology 120. *Organic Evolution.*

Public Health 1. *Principles of Public Health.*

Public Health 5. *Public Health Seminar.*

Public Health 9. *Public Health Administration.*

Also the following courses in the School of Medicine, described in this Catalogue, may be taken:

Anatomy 7. Embryology.

Psychiatry 1. Lectures and Clinics.

C. MATHEMATICS AND THE NATURAL SCIENCES

XII. MATHEMATICS

Professor E. W. BROWN, Chairman; Professors LONGLEY, PIERPONT, P. F. SMITH; Assistant Professors MILES, TRACEY, WHITTEMORE, WILSON; Mr. BETZ, Dr. CRUM, Mr. MIKESH, and Dr. J. M. STETSON.

EQUIPMENT AND FACILITIES FOR STUDY

Connected with the department are the SEMINARY ROOM, the REFERENCE LIBRARY, and the COLLECTION OF MODELS.

The SEMINARY ROOM, 30 Sloane Lecture Hall (on third floor), affords a place for students to meet for the discussion of mathematical questions and for study. There is a good departmental REFERENCE LIBRARY.

The COLLECTION OF MATHEMATICAL MODELS is placed in a room adjoining the Seminary Room. It contains a selection of plaster and thread models from Brill and Schilling, and a large number of models illustrating the teaching of solid geometry, the theory of equations, and various kinematical principles, as well as the theory of twisted curves and surfaces.

The MATHEMATICAL CLUB, consisting of all mathematical instructors and graduate students, holds occasional meetings.

DESCRIPTION OF COURSES

ELEMENTARY COURSES

**Mathematics 1. Advanced Calculus.*

Three hours. Assistant Professor MILES. (See Mathematics C 15a, College.)

**Mathematics 2. Functions of a Complex Variable.*

Three hours. Professor PIERPONT. (See Mathematics C 20, College.)

**Mathematics 3. Projective and Differential Geometry.*

Three hours. Professor PIERPONT. (See Mathematics C 22, College.)

**Mathematics 4. Mechanics.*

Three hours. Professor E. W. BROWN. (See Mathematics C 17, College.)

ADVANCED COURSES

Mathematics 40. Higher Algebra.

Two hours. [Omitted in 1921-22.]

Mathematics 45. Elliptic Functions.

Two hours. Professor PIERPONT. [Omitted in 1921-22.]

Mathematics 55. Functions of Real Variables.

Two hours. Professor PIERPONT.

Mathematics 65. Differential Equations.

Two hours. Professor P. F. SMITH.

Mathematics 70. Calculus of Variations.

Two hours. Professor LONGLEY. [Omitted in 1921-22.]

Mathematics 75. Finite Groups.

Two hours. [Omitted in 1921-22.]

Mathematics 80. Theory of Numbers.

Two hours. [Omitted in 1921-22.]

Mathematics 101. Advanced Analytic Geometry.

Two hours. Assistant Professor TRACEY.

Mathematics 115. Differential Geometry.

Two hours. Assistant Professor WHITEMORE.

Mathematics 116. Advanced Differential Geometry.

Two hours. Assistant Professor WHITEMORE. [Omitted in 1921-22.]

Mathematics 125. Continuous Groups of Transformations.

Two hours. Professor P. F. SMITH. [Omitted in 1921-22.]

Mathematics 130. Foundations of Geometry.

Two hours. Professor P. F. SMITH. [Omitted in 1921-22.]

Mathematics 150. Advanced Mechanics.

Two hours. Professor E. W. BROWN. [Omitted in 1921-22.]

Mathematics 155. Hydromechanics.

Two hours. Professor E. W. BROWN.

Mathematics 160. Celestial Mechanics.

Two hours Professor E. W. BROWN. [Omitted in 1921-22.]

Mathematics 170. Potential Theory and Integral Equations.

Two hours. Professor LONGLEY. [Omitted in 1921-22.]

Mathematics 180. Approximation Methods.

Two hours. Professor PIERPONT. [Omitted in 1921-22.]

Mathematics 201. Teacher's Course in Mathematics.

Two hours. Mr. MIKESH.

Mathematics 202. Foundations of Geometry.

Two hours. Assistant Professor WILSON. [Omitted in 1921-22.]

Mathematics 203. Elementary High School Mathematics.

Two hours. [Omitted in 1921-22.]

Mathematics 204. History of Mathematics.

Two hours. Mr. MIKESH. [Omitted in 1921-22.]

Courses 201-204 will not be credited toward the degree of Ph.D.

COURSES ANNOUNCED UNDER PHYSICS

The following courses, given in the department of Physics, but falling also under the head of Mathematics, are announced in detail in the group of courses in Physics: *Electromagnetic Theory of Light, Thermodynamics, Elec-*

trostatics and Magnetism, Electrodynamics, Kinetic Theory of Gases, Principle of Relativity, Radiation.

XIII. ASTRONOMY

Provision has been made for work in Astronomy and related subjects, leading to the degree of Doctor of Philosophy. In addition to the usual undergraduate courses the student will be expected to have covered the following field in Mathematics and in Physics by the time he presents himself for examination for the degree:

Advanced calculus and differential equations, dynamics of particles and rigid bodies, theory and practice of different forms of computation including harmonic analysis, theory of errors including least squares and correlation, the electro-magnetic theory of light, laboratory course in optics, spectroscopy, atomic theories of matter.

Certain other work in Mathematics and Physics may, with the approval of the department of Astronomy, be credited towards the degree.

The graduate courses in Astronomy are as follows:

1. *Spherical Astronomy.*
2. *Astrophysics.*
3. *Astronomical Photography, including the Mathematical Theory.*
4. *Astronomical Photometry.*
5. *Celestial Mechanics, including Stellar Distribution and Evolution.*
6. *Computation of Planetary and Stellar Orbits.*
7. *History of Astronomy.*

Some of the courses are not given every year, but arrangements will be made so that each student may have opportunity to take the required work at some time during his residence at the University.

More detailed information may be obtained on application to Dr. Frank Schlesinger, Director of the Observatory, Yale University.

XIV. PHYSICS

Professor ZELENY, Chairman; Assistant Professors F. E. BEACH, KOVARIK, PAGE, UHLER, WHEELER; and Dr. COOKSEY.

EQUIPMENT AND FACILITIES FOR WORK

The new Sloane Laboratory of Physics, the gift of William Douglas Sloane, M.A. Hon. 1889, and Henry Thompson Sloane, B.A. 1866, as a memorial to their father, William Sloane, and their brother, Thomas Chalmers Sloane, was completed in 1912. The building is adequately equipped with apparatus and appliances essential to the convenient and efficient prosecution of experimental work, both of an educational and a research character. The Laboratory is therefore in

a position to offer excellent facilities to advanced workers in physics, and funds are available for the purchase of special apparatus and appliances when needed.

The PHYSICS JOURNAL CLUB meets weekly, for the review and discussion of the current literature in this department of study. The PHYSICS CLUB holds fortnightly meetings, in which papers of a more or less elaborate character are presented by members of the faculty and advanced students. Regular attendance at the meetings of these clubs is expected of graduate students in the department.

DESCRIPTION OF COURSES

**Mathematics 4. Mechanics.*

Three hours. Professor E. W. BROWN. (See Mathematics C 17, College.)

**Physics 5. Theory of Electricity.*

Six hours. Assistant Professor WHEELER. (See Physics 60 and 61, Sheffield.)

Physics 7. Thermionic Vacuum Tubes.

Five hours first term. Assistant Professor WHEELER.

**Physics 10. Introduction to Theoretical Physics.*

Three hours. Assistant Professor UHLER. (See Physics C 5, College.)

**Physics 15. Laboratory Physics.*

Six hours. Assistant Professor UHLER. (See Physics C 7, College.)

Physics 26. Introduction to Mathematical Physics.

Two hours. Assistant Professor F. E. BEACH.

Mathematics 150. Advanced Mechanics.

Two hours. Professor E. W. BROWN. [Omitted in 1921-22.]

Mathematics 155. Hydromechanics.

Two hours. Professor E. W. BROWN.

Physics 40. Thermodynamics.

Two hours. Assistant Professor WHEELER. [Omitted in 1921-22.]

Physics 45. Kinetic Theory of Gases.

Two hours first term. Assistant Professor UHLER. [Omitted in 1921-22.]

Physics 54. Electrostatic Measurements.

Six hours first term. Assistant Professor KOVARIK.

Physics 55. Electrostatics and Magnetism.

Two hours. Assistant Professor WHEELER.

Physics 60. Electrodynamics.

Two hours. Assistant Professor PAGE.

Physics 65. Passage of Electricity through Gases.

Two hours second term. Professor ZELENY.

Physics 70. Electromagnetic Theory of Light.

Two hours. Assistant Professor PAGE. [Omitted in 1921-22.]

Physics 73. Principle of Relativity.

Two hours first term. Assistant Professor PAGE. [Omitted in 1921-22.]

Physics 75. Radiation.

Two hours. Assistant Professor PAGE.

Physics 90. Optics and Spectroscopy.

Three hours first term. Assistant Professor UHLER.

Chemistry 132. Radiochemistry.

One hour. Professor BOLTWOOD. [Omitted in 1921-22.]

Chemistry 133. Radioactive Measurements.

Six hours second term. Professor BOLTWOOD and Assistant Professor KOVARIK.

XV. CHEMISTRY

Professor JOHNSTON, Chairman; Professors BOLTWOOD, FOOTE, T. B. JOHNSON, MATHEWSON, WELLS; Dr. BAUDISCH; Associate Professor HIBBERT; Assistant Professors BROWNING, A. J. HILL, SAXTON, and VANNAME.

EQUIPMENT AND FACILITIES FOR STUDY

The work in Chemistry is carried on in the Sheffield Chemical Laboratory and in the Kent Chemical Laboratory. Both laboratories are open in term time to graduate students from 9.00 A. M. to 1.00 P. M. and 2.00 to 6.00 P. M. week days except Saturday. These two laboratories offer excellent facilities for advanced study and research work in all branches of chemistry.

Students have full use of the University Library and of the departmental libraries. These departmental libraries contain over 5,000 volumes and practically complete files of all the current chemical periodicals.

RESEARCH

Ample opportunities are afforded to qualified students for the prosecution of research under the direction of members of the department as follows: Professor BOLTWOOD, *Radiochemistry*; Professor FOOTE, *General and Physical Chemistry*; Professor JOHNSON, *Synthetic and Applied Organic Chemistry, and Biochemistry*; Professor JOHNSTON, *Physical and Inorganic Chemistry*; Professor MATHEWSON, *Metallography*; Professor WELLS, *Double Salts and other Inorganic Compounds, Analytical Methods, and Mineral Analyses*; Associate Professor HIBBERT, *Organic Chemistry*; Assistant Professor BROWNING, *Chemistry of the Rarer Elements*; Assistant Professor A. J. HILL, *Synthetic and Applied Organic Chemistry*; Assistant Professor SAXTON, *Physical Chemistry*; Assistant Professor VANNAME, *Physical Chemistry and Electrochemistry*.

DESCRIPTION OF COURSES

PREREQUISITE COURSES

These undergraduate courses of advanced grade are included here because some students come with training insufficient along certain lines to qualify them for work in more advanced courses. For these prerequisite courses only

partial credit will be given towards the degree of Master of Science. The number of each course in the undergraduate catalogue is also stated.

Chemistry 2. *Advanced Organic Chemistry.

One hour first term, seventeen hours second term. (See Chemistry 4, Sheffield.)

Chemistry 4. *Quantitative Analysis.

Six hours. Professors WELLS and FOOTE. (See Chemistry 3, 30, 33, Sheffield.)

Chemistry 6. *Industrial Analysis.

Lectures one hour, laboratory six hours, first term. Mr. READ. (See Chemistry 66, Sheffield.)

Chemistry 9. *General Inorganic Chemistry.

Three hours. Professor FOOTE. (See Chemistry 5, Sheffield.)

Chemistry 13. *Elementary Physical Chemistry.

Prerequisite to course 110. Recitations and lectures two hours, laboratory three hours. Assistant Professors VANNAME and SAXTON. (See Chemistry B 9, College.)

Chemistry 15. *Advanced Analytical Chemistry.

One hour second term. Professor WELLS. (See Chemistry 38, Sheffield.)

Chemistry 17. *Industrial Chemistry.

Three hours. Mr. READ. (See Chemistry 6, Sheffield.)

GRADUATE COURSES

GENERAL CHEMISTRY

Chemistry 110. *Advanced Physical Chemistry.*

Lectures one hour, laboratory six hours. Assistant Professor VANNAME.

Chemistry 112. *Advanced General Chemistry.*

Laboratory course. Professors BOLTWOOD, FOOTE, JOHNSTON, and Assistant Professors SAXTON and VANNAME.

Chemistry 118. *General Chemistry Seminary.*

One hour. Professors BOLTWOOD, FOOTE, JOHNSTON, and Assistant Professors SAXTON and VANNAME.

Chemistry 122. *Synthetic Organic Chemistry.*

Lectures one hour, laboratory six hours. Professor T. B. JOHNSON and Assistant Professor A. J. HILL.

Chemistry 123. *Organic Chemistry as applied to Physiology and Biochemistry.*

Lectures one hour, laboratory six hours. Professor T. B. JOHNSON and Assistant Professor A. J. HILL.

Chemistry 125. *Advanced Organic Chemistry.*

Laboratory course. Fifteen hours. Professor T. B. JOHNSON, Associate Professor HIBBERT, and Assistant Professor A. J. HILL.

Chemistry 128. *Organic Chemistry Seminary.*

One hour. Professor T. B. JOHNSON, Associate Professor HIBBERT, and Assistant Professor A. J. HILL.

SPECIAL COURSES IN THEORETICAL AND INORGANIC CHEMISTRY

Chemistry 130. Atomic Structure and Valence Theory.

One hour. Professor BOLTWOOD.

Chemistry 132. Radiochemistry.

One hour. Professor BOLTWOOD. [Omitted in 1921-22.]

Chemistry 133. Radioactive Measurements.

Six hours second term. Professor BOLTWOOD and Assistant Professor KOVARIK.

Chemistry 135. Chemical Equilibrium.

One hour. Professor FOOTE.

Chemistry 140. Thermocchemistry and Thermodynamics.

One hour. Professor JOHNSTON.

Chemistry 142. Chemistry of Disperse Systems.

(a) *Colloids*, one hour first term; (b) *Absorption and Catalysis*, one hour second term. Professor JOHNSTON.

Chemistry 144. Applications of Theoretical Chemistry to Industrial Problems.

Three hours. Professor JOHNSTON. [Omitted in 1921-22.]

Chemistry 150. Chemistry of the Rare Elements.

Three hours. Assistant Professor BROWNING.

Chemistry 151. Microchemical Reactions.

Two hours second term. Assistant Professor BROWNING.

Chemistry 155. Applications of Physical Chemistry to Organic and Biological Chemistry.

(a) One hour first term. (b) One hour second term. (c) One hour second term. [Omitted in 1921-22.] Assistant Professor SAXTON.

Chemistry 160. Advanced Inorganic Chemistry.

One hour. Assistant Professor VANNAME. [Omitted in 1921-22.]

SPECIAL COURSES IN ORGANIC CHEMISTRY

Chemistry 170. Biochemistry.

One hour second term. Professor T. B. JOHNSON.

Chemistry 174. Theories of Organic Chemistry.

One hour. Professor T. B. JOHNSON and Assistant Professor A. J. HILL. [Omitted in 1921-22.]

Chemistry 176. Biochemistry Seminary.

Ten seminars during the year. Professors MENDEL, T. B. JOHNSON, and Dr. BAUDISCH.

Chemistry 180. Chemistry of Plant Products.

One hour. Associate Professor HIBBERT. [Omitted in 1921-22.]

Chemistry 182. Industrial Organic Chemistry.

One hour second term. Associate Professor HIBBERT.

Chemistry 185. Organic Chemistry.

Required of all who are enrolled in Chemistry 122. Two hours. Assistant Professor A. J. HILL.

Chemistry 187. Applied Organic Chemistry.

One hour. Assistant Professor A. J. HILL.

GENERAL COURSES

Chemistry 190. Special Applications of Chemistry in the Industries.

A course by special lecturers. One hour second term.

Chemistry 195. Metallography.

Two hours first term. Professor MATHEWSON.

Chemistry 196. Metallographic Laboratory.

Six hours second term. Professor MATHEWSON.

For *Crystallography* and *Optical Properties of Minerals*, see Group XVI.

XVI. GEOLOGY AND GEOGRAPHY

Professor SCHUCHERT, Chairman; Professors FORD, GREGORY, LULL; Research Associate HUNTINGTON; Associate Professor KNOFF; Assistant Professors BATEMAN, BUWALDA, DUNBAR, LONGWELL; and Dr. WIELAND.

The Department of Geology consists of the following six divisions: (1) Mineralogy, (2) Petrology, (3) Structural Geology, (4) Physiography, (5) Paleontology, (6) Economic Geology. In each of these divisions there is offered a minor and a major course leading to the degree of Master of Science, Master of Arts, or Doctor of Philosophy.

EQUIPMENT AND FACILITIES FOR STUDY

Students in this department have full use of the libraries. The University Library is exceptionally well equipped in sets of transactions of learned societies, including those of Europe. The age of the University and the development in it of the natural sciences have resulted in an unusually rich collection of scientific works of the eighteenth and first half of the nineteenth centuries. The PEABODY MUSEUM GEOLOGICAL LIBRARY, containing about 23,000 books and pamphlets, is noted for the abundance of its paleontological literature in addition to the sets of publications of national and state surveys and of geological periodicals. The KIRTLAND HALL LIBRARIES, of about 19,000 books and pamphlets, have as specialties the literature of mineralogy, petrology, and economic geology. The most used and standard publications are found in all these libraries, thus permitting facility of use for study and research. For further information, see list of Geological Books and Periodicals, published by the department.

All graduate students in Geology are members of the GEOLOGICAL CLUB and are expected to regard attendance at all meetings as an obligation of the same force as attendance at the regular courses.

The meetings of the club are held fortnightly and are alternately of two characters: first, the GEOLOGICAL RESEARCH CLUB, directed by the Faculty, in which papers are given by both Faculty and student members; second, the GEOLOGICAL JOURNAL CLUB, known as the DANA CLUB, and managed by the students, in which the chief purpose is a review and discussion of current geological literature.

DESCRIPTION OF COURSES

ELEMENTARY COURSES

The courses under this head are undergraduate and elementary in character, and no credit will be given for them in graduate work.

**Geology 10. Elementary Mineralogy.*

To count as three hours. Assistant Professor FORD. (See *Geology 70*, Sheffield.)

**Geology 20. Elementary Petrology.*

One hour second term. Associate Professor KNOPF. (See *Geology 5*, Sheffield.)

**Geology 30. Dynamical Geology.*

Three hours first term. Assistant Professor LONGWELL. (See *Geology A 1a*, College.)

**Geology 36. Regional and Economic Geology.*

Four hours, to count as three hours for the year. Assistant Professors BUWALDA and LONGWELL. (See *Geology B 5*, College.)

**Geology 40. Geography of North America.*

Three hours second term. (See *Geology B 4b*, College.) [Omitted in 1921-22.]

**Geology 50. Geography of Europe.*

Three hours first term. (See *Geology B 6a*, College.) [Omitted in 1921-22.]

ADVANCED COURSES

MINERALOGY

Geology 60. Advanced Crystallography.

Ten hours seven weeks. Professor FORD.

Geology 65. Optical Properties of Minerals.

Ten hours seven weeks. Professor FORD.

Geology 70. Major in Mineralogy.

Professor FORD.

PETROLOGY

Geology 75. Petrology.

A. Lectures. Three hours second term. (See *Geology 51*, Sheffield.) *B. Laboratory Courses.* Seven hours second term. Associate Professor KNOPF. (See *Geology 52*, Sheffield.)

Geology 76. Use of the Petrologic Microscope.

Prerequisite: *Geology 65. Laboratory*, six hours second term. Associate Professor KNOPF. (See *Geology 53*, Sheffield.)

Geology 80. Major in Petrology.

Not less than twelve hours a week. Associate Professor KNOPP.

STRUCTURAL GEOLOGY

Geology 85. Structural Geology.

Three hours. Assistant Professor LONGWELL. (See *Geology H 25*, College.)

Geology 90. Major in Structural Geology.

Five hours. Assistant Professor LONGWELL.

PHYSIOGRAPHY

Geology 95. Physiography.

Three hours. (See *Geology H 29*, College.) [Omitted in 1921-22.]

Geology 110. Major in Physiography.

Five hours. [Omitted in 1921-22.]

GEOGRAPHY

Geology 113. Climatology.

Lectures and individual conferences, two hours. Dr. HUNTINGTON.

Geology 115. Major in Geography.

A research course. Dr. HUNTINGTON.

PALEONTOLOGY

**Geology 120. Organic Evolution.*

Two hours. Professor LULL. (See *Geology B 17*, College.)

Geology 123. Paleobotany.

Two hours. Dr. WIELAND.

Geology 130. Stratigraphic Geology (minor course).

Four hours. Assistant Professor DUNBAR.

Geology 135. Stratigraphic Paleontology (major course).

Six to eight hours. [Omitted in 1921-22.]

Geology 140. Invertebrate Paleontology (major course).

Six to eight hours. [Omitted in 1921-22.]

Geology 142. Geological Biology (minor course).

Four hours, to count as three hours. Professor LULL and Assistant Professor DUNBAR.

Geology 145. Vertebrate Paleontology.

Major course six to eight hours; minor course two to four hours. Professor LULL.

ECONOMIC GEOLOGY

**Geology 149. Applied Structural and Dynamical Geology.*

Two hours second term. Assistant Professor BATEMAN. (See *Geology 13*, Sheffield.)

Geology 150. Advanced Economic Geology.

Two hours first term; three hours second term. Assistant Professor BATEMAN. (See *Geology 31*, Sheffield.)

Geology 151. Applied Mineralogy.

Two hours eight weeks, second term. Assistant Professor BATEMAN. (See *Geology 34*, Sheffield.)

Geology 155. Advanced Economic Geology.

Four hours. Assistant Professor BATEMAN.

Geology 156. Petroleum Geology.

Two hours lecture, two hours laboratory. Assistant Professors BATEMAN and DUNBAR.

Geology 157. Advanced Petroleum Geology.

Hours to be arranged. Assistant Professor BATEMAN.

Geology 160. Investigation of Special Problems.

Assistant Professor BATEMAN.

GEOLOGICAL SURVEYING

The following set of three courses, by Associate Professor KNOPF and Assistant Professors BATEMAN and LONGWELL, is required as a minor in all schedules of study leading to the degree of Doctor of Philosophy, and should be taken during the first graduate year. A field season on a state or national geological survey will usually, however, be accepted as equivalent to the work of the summer and winter terms.

Geology 164. Field Methods.

One hour part of second term.

Geology 165. Geological Surveying.

Six weeks, June, July, August, to count as eight hours one term.

Geology 166. Preparation of Geological Report.

One hour first term. (See *Geology 43*, Sheffield.)

XVII. ZOOLOGY AND ANATOMY

Professor HARRISON, Chairman; Professors COE, FERRIS, PETRUNKEVITCH, WOODRUFF; Assistant Professors BAITSELL, BURR, LAURENS; Mr. STONE, and Dr. SWINGLE.

Assistantships. Assistantships in a number of undergraduate courses are available for students in the department. It is recognized that the work of assistant is of value as training in methods of laboratory instruction, preparation, and management, and credit will be given for a limited amount of such work. At the same time, one who offers his services in this capacity more than one year will usually find his time for required work so encroached upon that he will have to prolong his course beyond three years.

EQUIPMENT AND FACILITIES FOR STUDY

The ZOOLOGICAL JOURNAL CLUB holds weekly meetings throughout the year, for reviewing new books and current periodical literature. Attendance is required of graduate students.

The work of the ZOOLOGICAL SEMINARY varies considerably from year to year. It may consist of critical reading of some work of general interest, or of reports upon original research by its members.

The BIOLOGICAL CLUB, in which the members of the various biological departments unite, meets from time to time for the presentation of original papers.

RESEARCH

Each student is expected to take up some problem for original investigation under the general supervision of a member of the staff. The new Laboratory now occupied by the department, which is one of the Osborn Memorial Laboratories recently erected for the departments of Zoology, Comparative Anatomy, and Botany, affords exceptional facilities for research in all branches of the science.

DESCRIPTION OF COURSES

INTRODUCTORY COURSES

**Zoology 8. Histology.*

Six hours first term, to count as two hours for the year. Professor COE. (See B 11a, College, Biology 26, Sheffield.)

**Zoology 12. General Physiology.*

Six hours first term, to count as two hours for the year. Assistant Professor LAURENS. (See C 12a, College, Biology 35, Sheffield.)

**Zoology 15. Field Zoology.*

Lectures and recitations two hours, laboratory and field four hours, second term. Professor PETRUNKEVITCH. (See 18b, College, Biology 21, Sheffield.)

**Zoology 20. Elementary Entomology.*

Lectures and recitations two hours, laboratory four hours, first term. Professor PETRUNKEVITCH. (See 19a, College, Biology 24, Sheffield.)

**Zoology 25. Comparative Anatomy.*

Nine hours second term, to count as three hours for the year. *Invertebrates*, Professor PETRUNKEVITCH; *Vertebrates*, Dr. SWINGLE. (See B 15b, College, Biology 22, Sheffield.)

**Zoology 30. Embryology.*

Six hours second term, to count as two hours for the year. Assistant Professor BATSELL. (See C 13b, College, and Biology 23, Sheffield.)

**Zoology 31. Genetics.*

Lectures and recitations two hours, laboratory four hours, first term. Professor COE. (See B 17a, College, Biology 33, Sheffield.)

ADVANCED COURSES

Zoology 33. Biology of the Protozoa.

Lectures two hours, laboratory four hours, first term. Professor WOODRUFF. (See Biology H 20a, College.)

Zoology 35. Comparative Physiology.

Lectures two hours, laboratory four hours, second term. Assistant Professor LAURENS.

Zoology 39. Parasitology.

Lectures two hours, laboratory four hours, first term. Professor PETRUNKEVITCH. (See Biology 28, Sheffield.)

Zoology 40. Morphology of Invertebrates.

One hour. Professor PETRUNKEVITCH.

Zoology 41. Invertebrate Embryology.

One hour, with laboratory work to be arranged. Professor PETRUNKEVITCH.

Zoology 45. Morphology of Vertebrates.

One hour. Professor HARRISON.

Zoology 50. Cytology.

Lectures two hours, laboratory four hours, second term. Professor COE.

Zoology 55. Protozoology.

One hour. Professor WOODRUFF.

Zoology 60. Forest Entomology.

Lectures and recitations three hours, laboratory six hours, first half of second term. Professor COE. (See Course 13, Forestry.)

Zoology 65. Experimental Zoology.

(a) *Experimental Embryology*. [Omitted in 1921-22.] (b) *Regeneration and Transplantation*. One hour. Professor HARRISON.

Zoology 70. The Endocrine System.

Two hours first term. Laboratory work by arrangement. Dr. SWINGLE.

Zoology 75. History of Biology.

One hour. Professor WOODRUFF.

Zoology 76. Biological Materials and Methods.

One hour. Assistant Professor BAITSELL.

Zoology 77. Photography as Applied to Biology.

Four hours second term, to count as two. Professor PETRUNKEVITCH.

COURSES IN ANATOMY

Zoology 80. Human Anatomy.

Twenty-one hours first term, nine hours second term, to count as seven hours for the year. Professor FERRIS, Assistant Professor BURR, and Mr. STONE. (See Anatomy 1-5, Medical.)

Zoology 82. Microscopic Anatomy.

Nine hours first term. Assistant Professor BURR and Mr. STONE. (See Anatomy 6, Medical.)

Zoology 85. Central Nervous System.

Three hours first term, to count as one hour for the year. Assistant Professor BURR. (See Anatomy 8, Medical.)

Zoology 87. Topographic and Applied Anatomy.

Six hours second half of second term. Assistant Professor BURR. (See Anatomy 9, Medical.)

For the course in General Biology, see College and Sheffield..

XVIII. BOTANY

Professor EVANS, Chairman; Professors RECORD and TOUMEY; Assistant Professors NICHOLS, WHITFORD; Mr. A. F. HILL, and Dr. CLINTON.

EQUIPMENT AND FACILITIES FOR STUDY

RESEARCH

Ample opportunities are afforded to properly qualified students for the prosecution of research under the direction of Professors EVANS, TOUMEY, and RECORD, Assistant Professor NICHOLS, Dr. CLINTON, and others. The Osborn Botanical Laboratory is equipped throughout with modern appliances which give facilities for the preparation and preservation of material, for making cultures, and for research along various lines. A more extended description of the Laboratory is given in the Catalogue of the Graduate School.

In the Laboratory are various collections, including the Eaton Herbarium, especially valuable for its ferns; the Brewer Herbarium, rich in California plants; the Swan Herbarium, in New England plants; and the Tweedy Herbarium, in Rocky Mountain plants.

DESCRIPTION OF COURSES

INTRODUCTORY COURSES

**Botany 2. Morphology of Plants.*

Six hours. Professor EVANS. (See Biology 61, Sheffield.)

**Botany 7. Field Botany.*

Six hours second term. Mr. A. F. HILL. (See Biology 64, Sheffield.)

**Botany 8. Local Dendrology.*

Six hours first term. Assistant Professor NICHOLS. (See Biology 65, Sheffield.)

**Botany 10. Plant Ecology.*

Six hours second term. Assistant Professor NICHOLS. (See Biology 62, Sheffield.)

**Botany 15. Physiology of Plants.*

Six hours second term. Assistant Professor NICHOLS. (See Biology 66, Sheffield.) [Omitted in 1921-22.]

ADVANCED COURSES

Botany 27. Special Morphology of the Cryptogams.

Six hours. Professor EVANS.

Botany 40. Diseases of Trees.

Six hours second term. Dr. CLINTON. (See Biology 68, Sheffield.)

Botany 43. Physiographic Ecology.

One hour. Assistant Professor NICHOLS.

Botany 47. Geographic Ecology.

One hour. Assistant Professor NICHOLS. [Omitted in 1921-22.]

Botany 48. Tropical Plant Geography.

Two hours first term. Assistant Professor WHITFORD. (See Courses 45, 46, Forestry.)

Botany 50. Botanical Methods.

Six hours first term. Assistant Professor NICHOLS.

Botany 55. Advanced Morphology of Plants.

One hour. Professor EVANS.

Botany 57. Systematic Botany of Vascular Plants.

Six hours first term. Mr. A. F. HILL.

Botany 70. Special Morphology of Woody Plants.

Six hours first term. Professor RECORD. (See Courses 29, 32, Forestry.)

Botany 75. Silvics.

Eleven hours first term. Professor TOUMEY and Assistants. (See Course 7, Forestry.)

XIX. PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professor MENDEL, Chairman; Professors CHITTENDEN, HENDERSON, UNDERHILL; and Dr. A. H. SMITH.

RESEARCH

To those who have the necessary qualifications and sufficient training to undertake original investigations, independently or under guidance, ample opportunity is offered for advanced work and research. The facilities of the Laboratories of Physiological Chemistry and Physiology and the Brady Laboratory are freely available, and investigations are planned with reference to the needs and attainments of the individual student, under Professors MENDEL, HENDERSON, and UNDERHILL, and Dr. A. H. SMITH.

DESCRIPTION OF COURSES

PHYSIOLOGICAL CHEMISTRY

Physiology 10. Physiological Chemistry.

Twelve hours first term. Professor MENDEL and Dr. A. H. SMITH.

Physiology 15. Physiological Chemistry (Advanced).

Professor MENDEL and Dr. A. H. SMITH.

Physiology 16. Special Methods of Investigation in Physiological Chemistry.

This course counts for five hours. Professor MENDEL and Dr. A. H. SMITH.

Physiology 17. Quantitative Methods in Physiological Chemistry.

Twelve hours first half of second term. Professor UNDERHILL and Dr. RINGER.

Physiology 20. Physiology of Nutrition.

Two hours second term. Professor MENDEL.

Physiology 45. Physiological Seminary.

Two hours. Professor MENDEL.

Chemistry 176. Biochemistry Seminary.

Ten seminars during the year. Professors MENDEL, T. B. JOHNSON, and Dr. BAUDISCH.

PHYSIOLOGY

Physiology 50. Physiology of Respiration, Energetics, and the Circulation.

To count as three or five hours a year according to time expended, second term. Professor HENDERSON and Dr. HAGGARD.

Physiology 51. Research in Respiration and its Applications to Medicine, Hygiene, and Industrial Hazards.

Professor HENDERSON.

Physiology 52. Seminary in Respiration, Energetics, and the Circulation.

Two hours second term. Professor HENDERSON.

Physiology 60. Industrial Physiology (Elementary Course).

Two hours second term. Dr. HAGGARD.

Physiology 61. Industrial Physiology (Practical Course).

Two hours first eight weeks; laboratory work may be taken at Waterbury the remainder of the year. Dr. RYAN.

XX. GENERAL BACTERIOLOGY AND PUBLIC HEALTH

Professor WINSLOW, Chairman; Professors GESELL, HENDERSON, MENDEL, RETTGER, WINTERNITZ; Dr. GREENWAY; Assistant Professors BARNEY, G. H. SMITH; Mr. HISCOCK, Mr. BAKER, Dr. DUBLIN, and Dr. RYAN.

DESCRIPTION OF COURSES

BACTERIOLOGY

Bacteriology 5. General Bacteriology.

Lectures and recitations three hours, laboratory six hours, second term. Professor RETTGER.

Bacteriology 15. Bacteriology (Short Course).

Lectures and recitations three hours, laboratory three hours, first term. Professor RETTGER.

Bacteriology 16. Public Health Bacteriology.

Chief emphasis is given to the study of modern laboratory methods in their relation to problems of sanitation and health. Six hours. Professor RETTGER.

Bacteriology 20. Advanced Problems in Bacteriology and Laboratory Technique.

At all laboratory hours. Professor RETTGER.

Bacteriology 25. Bacteriological Seminary.

Two hours. Professor RETTGER.

Students desiring further information in regard to graduate work in bacteriology should apply to Professor Leo F. Rettger, 12 Sheffield Hall, New Haven.

PUBLIC HEALTH

Public Health 1. Principles of Public Health.

Lectures, discussions, and inspection trips. Six hours first term. Professor WINSLOW.

Public Health 2. Elements of Sanitary Engineering.

Six hours first term. Assistant Professor BARNEY.

Public Health 3. Principles of Vital Statistics.

Lectures, discussions, and reports upon assigned problems. Two hours. Dr. DUBLIN.

Public Health 4. Practical Field Work in Public Health.

Practical experience in the various fields of municipal health department activity. The total time spent in this work will be the equivalent of nine hours a week throughout the year.

Public Health 5. Public Health Seminary.

Two hours. Professor WINSLOW.

Public Health 6. Advanced Physiology.

Six hours half year. Professor HENDERSON.

Public Health 7. Immunology and Special Bacteriology.

Hours to be arranged. Assistant Professor G. H. SMITH. (See Pathology and Bacteriology 7, Medical.)

Public Health 8. Chemistry of Foods and Nutrition.

Hours to be arranged. Professor MENDEL.

Public Health 9. Public Health Administration.

Lectures, discussions, and reports. Four hours second term. Mr. HISCOCK.

Public Health 10. Industrial Hygiene and Sanitation.

Lectures and recitations. Two hours first term. Professor WINSLOW.

Public Health 11. Epidemiology.

Lectures and conferences. Two hours second term. Professor WINSLOW.

Public Health 12. The Control of Communicable Diseases.

Lectures and discussions. One hour second term. Dr. GREENWAY.

Public Health 13. Infant Welfare.

Lectures and discussions. One hour second term.

Public Health 14. Sanitary Law.

Lectures and discussions. One hour second term. Mr. BAKER.

Public Health 15. Medical Clinics.

Special appointments will be made amounting to one hour a week throughout the year. (See Pathology and Bacteriology 9, Medical.)

Public Health 16. Sanitary Water Analysis.

Four hours second term. Mr. READ. (See Chemistry 69, Sheffield.)

Public Health 17. *Microscopy of Water and Foods.*

A laboratory course. Three hours second term. Mr. FALK.

Education 47. *Hygiene of the Pre-School Child.*

The facilities of the New Haven Dispensary and the University Psychoclinic will be utilized in connection with the course. Two hours first term. Professor GESELL.

Physiology 61. *Industrial Physiology.*

Two hours first eight weeks; laboratory at Waterbury remainder of year. Dr. RYAN.

Students desiring further information in regard to the certificate and degree in Public Health should apply to Professor C.-E. A. Winslow, Nathan Smith Hall, New Haven.

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The following courses, described under the sections and in the annual Catalogue of the respective schools, are recommended as suitable electives for candidates for the degree and the certificate in Public Health.

BIOLOGICAL SCIENCES

**Psychology* 4. *Psychology.*

**Zoology* 8. *Histology.*

**Zoology* 25. *Comparative Anatomy of Vertebrates.*

**Zoology* 31. *Genetics.*

Zoology 33. *Biology of the Protozoa.*

Zoology 39. *Parasitology.*

**Geology* 120. *Organic Evolution.*

**Anthropology* 15. *The Natural History of Man.*

Physiology 10. *Physiological Chemistry.*

Physiology 15. *Physiological Chemistry (Advanced).*

Physiology 20. *Physiology of Nutrition.*

Physiology 45. *Physiological Seminary.*

SOCIAL AND ECONOMIC SCIENCES

**Economics* 10. *Statistics.*

**Economics* 18. *Socialism and Social Reform.*

**Economics* 92. *The Labor Problem.*

Business Administration 4. *Insurance.*

MEDICAL SCIENCES

Medicine 3. *Clinical Microscopy and Chemistry.*

Experimental Medicine 1. *Special Methods of Experimental Medicine.*

Experimental Medicine 2. *Experimental Medicine.*

Education 60. *Clinical Child Psychology.*

Geology 113. *Climatology.*

ENGINEERING

M.E. 34. Heating and Ventilation.

C.E. 52. Hydraulics.

C.E. 531. Water Supply Engineering.

C.E. 532. Sewerage Engineering.

C.E. 533. Water Conservation by Storage.

XXI. PHARMACOLOGY AND TOXICOLOGY

Professor UNDERHILL, Chairman; and Dr. RINGER.

DESCRIPTION OF COURSES

Pharmacology 1. Pharmacology and Toxicology.

Twelve hours second term. Professor UNDERHILL, Dr. RINGER, and Assistants.

Pharmacology 2. Special Methods in Research.

Twelve hours first half of second term. Professor UNDERHILL and Dr. RINGER.

Pharmacology 3. Experimental Pharmacology.

Twelve hours second half of second term. Professor UNDERHILL, Dr. RINGER, and Assistants.

Pharmacology 10. Toxicology. Chemistry of Drugs and Poisons.

Twelve hours one term. Professor UNDERHILL and Dr. RINGER.

Pharmacology 11. Toxicology.

One hour one term. Professor UNDERHILL. [Omitted in 1921-22.]

Pharmacology 16. Chemical Structure and Physiological Action.

One hour one term. Professor UNDERHILL. [Omitted in 1921-22.]

Pharmacology 17. General Pharmacology.

Two hours one term. [Omitted in 1921-22.]

Pharmacology 18. Pharmacological Seminary.

Two hours. Professor UNDERHILL.

Pharmacology 25. Research.

The facilities of the laboratory are available for research at all times to students who have had proper fundamental training.

ELECTIVES IN OTHER DEPARTMENTS

In order that candidates may broaden their training, selections may be made from the following courses to meet the needs of the individual student:

**Chemistry 2. Advanced Organic Chemistry.*

**Chemistry 13. Elementary Physical Chemistry.*

Chemistry 122. Synthetic Organic Chemistry.

Chemistry 142. Chemistry of Disperse Systems.

Chemistry 155. Applications of Physical Chemistry to Organic and Biological Chemistry.

Chemistry 170. Biochemistry.

Chemistry 187. Applied Organic Chemistry.

**Zoology 25. Comparative Anatomy.*

Zoology 33. Biology of the Protozoa.

Zoology 35. Comparative Physiology.

Zoology 75. History of Biology.

**Botany 15. Physiology of Plants.*

Physiology 15. Physiological Chemistry.

Surgery 20. Experimental Surgery.

Bacteriology 5. General Bacteriology.

Pathology and Bacteriology 4. General Pathology.

Pathology and Bacteriology 5. Medical Bacteriology.

XXII. CLINICAL MEDICINE

Professor WINTERNITZ, Chairman; Professors MORSE, PARK; Dr. HERSEY; Assistant Professors COOK, CREADICK, HARVEY, LAMBERT, G. H. SMITH; and Dr. DAYTON.

SPECIAL REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy must hold a bachelor's degree and the degree of Doctor of Medicine from acceptable institutions, and in addition must have served as interne in a hospital for at least one year and have completed the work prescribed for an Assistant Resident in this department, or work considered equivalent.

Ordinarily three years of resident study are required for the degree. In exceptional cases, however, two years of resident work and one year in absentia in preparation of the dissertation may be accepted. By the time the candidate has attained the position of Resident, most of the prescribed work will have been covered, hence the work for the degree must consist largely of investigation, in addition to such courses as may be prescribed by the department. A statement of the special requirements in detail may be found in the Catalogue of the Graduate School.

SPECIAL REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Candidates for the degree of Master of Science must hold a bachelor's degree and the degree of Doctor of Medicine from acceptable institutions, and in addition must have served as interne in a hospital for at least one year.

Ordinarily two years of resident study are required for the degree. The work is divided into major and minor courses planned to give the student a broad foundation. To accomplish this, minor courses are required in other subjects than the major work. Emphasis is laid

upon course instruction rather than upon research, although research problems may be taken up by students properly qualified. A statement of the special requirements in detail may be found in the Catalogue of the Graduate School.

DESCRIPTION OF COURSES

MEDICINE

Medicine 12. General Medicine.

Daily, 9.00-5.30. Dr. DAYTON and staff.

Medicine 13. Advanced General Medicine.

Prerequisite: Medicine 12. Daily, 9.00 to 5.30. Dr. DAYTON and staff.

Medicine 14. Dispensary Practice and Administration.

Practical work in clinics. Daily, 9.00-5.30. Dr. DAYTON and staff.

Medicine 15. Clinical Laboratory Methods.

Daily, 9.00 to 5.30. Dr. DAYTON and staff.

Medicine 16. Electrocardiography.

Two hours. Dr. DAYTON and staff.

Medicine 17. Medical Seminary.

One hour. Dr. DAYTON and staff.

Medicine 18. Research.

Hours to be arranged. Dr. DAYTON and staff.

Medicine 19. Hospital Administration.

Daily, 9.00-5.00. Dr. HERSEY and staff.

Medicine 20. Advanced Hospital Administration.

Daily, 9.00 to 5.00. Dr. HERSEY and staff.

Medicine 21. Conference in Hospital Administration.

One-half day a week. Dr. HERSEY and staff.

SURGERY

Surgery 15. General Surgery.

Daily, 9.00 to 5.00. Assistant Professor HARVEY and staff.

Surgery 16. Advanced General Surgery.

Prerequisite: Surgery 15. Daily 9.00 to 5.30. Assistant Professor HARVEY and staff.

Surgery 17. Urology.

One-half day daily, a week.

Surgery 18. Fractures.

One-half day one month. Assistant Professor HARVEY and staff.

Surgery 19. Radiology.

Two hours.

Surgery 20. Experimental Surgery.

One-half day a week. Assistant Professor HARVEY and staff.

Surgery 21. Orthopedics.

Two and one-half days a week, three months. Assistant Professor COOK.

Surgery 22. Seminary in Surgery.

One hour a week, one year.

Surgery 23. Research.

Hours to be arranged. Assistant Professor HARVEY.

OBSTETRICS AND GYNECOLOGY

Obstetrics and Gynecology 9. Obstetrics and Gynecology.

Daily, 9.00 to 5.30. Professor MORSE and Assistant Professor CREADICK and staff.

Obstetrics and Gynecology 10. Advanced Obstetrical and Gynecological Surgery.

Daily, 9.00 to 5.30. Professor MORSE and Assistant Professor CREADICK and staff.

Obstetrics and Gynecology 11. Obstetrical and Gynecological Pathology.

Six hours. Professor MORSE and Assistant Professor CREADICK and staff.

Obstetrics and Gynecology 12. Metabolism of Pregnancy.

Hours to be arranged. Professor MORSE and Assistant Professor CREADICK and staff.

Obstetrics and Gynecology 13. Seminary.

One hour. Professor MORSE.

Obstetrics and Gynecology 14. Research.

Hours to be arranged. Professor MORSE and Assistant Professor CREADICK.

PEDIATRICS

Pediatrics 5. General Pediatrics.

Daily, 9.00 to 5.30. Professor PARK and staff.

Pediatrics 6. Advanced General Pediatrics.

Prerequisite: Pediatrics 5. Daily, 9.00 to 5.30. Professor PARK and staff.

Pediatrics 7. Dispensary Practice.

Daily assigned periods 9.00 to 5.30. Professor PARK and staff.

Pediatrics 8. Seminary in Pediatrics.

One hour. Professor PARK and staff.

Pediatrics 9. Research.

Hours to be arranged. Professor PARK and staff.

PATHOLOGY AND BACTERIOLOGY

Pathology and Bacteriology 10. Advanced General Pathology.

Eighteen hours a week, one year. Professor WINTERITZ and Assistant Professor LAMBERT and staff.

Pathology and Bacteriology 11. Special Pathology.

Twelve hours a week, one-half year. Professor WINTERITZ and Assistant Professor LAMBERT.

Pathology and Bacteriology 12. Museum Technique.

Six hours a week, one-half year. Assistant Professor LAMBERT.

Pathology and Bacteriology 13. Clinico-pathological Conference.

Four hours a week, one year. Professor WINTERITZ.

Pathology and Bacteriology 14. Research in Pathology.

Hours to be arranged. Professor WINTERNITZ and Assistant Professor LAMBERT.

Pathology and Bacteriology 15. Advanced Medical Bacteriology.

Eighteen hours a week, one year. Assistant Professor G. H. SMITH and staff.

Pathology and Bacteriology 16. Immunology and Serology.

Twelve hours a week, one-half year. Assistant Professor G. H. SMITH.

Pathology and Bacteriology 17. Research in Bacteriology and Serology.

Hours to be arranged. Assistant Professor G. H. SMITH.

D. ENGINEERING

CIVIL, ELECTRICAL, MECHANICAL ENGINEERING, MINING
AND METALLURGY, AND ENGINEERING
MECHANICS

GENERAL REQUIREMENTS FOR THE HIGHER ENGINEERING DEGREES

The change in the length of the undergraduate courses in engineering in the Sheffield Scientific School from three years to four years, which was effected in 1919-1920, requires a readjustment of the graduate courses in engineering, but the requirements for the degrees of Civil, Electrical, Mechanical, and Metallurgical Engineer, and Engineer of Mines will remain unchanged for the college year of 1921-22. The normal requirement for each of these degrees is two years of graduate study in residence. For the degree of Civil, Electrical, or Mechanical Engineer equivalent practical engineering work will be accepted in lieu of the work of the second year, but the candidate should expect to spend at least two or three years in such practical work in order that he may have the equivalent, in character and amount, of the second year of graduate work. Practical experience will not be accepted in lieu of the regular course of study in residence prescribed for the first year of graduate work.

A thesis is required in all cases for the higher engineering degrees. The thesis should show evidence of considerable progress in the application of engineering principles and methods since the completion of the candidate's undergraduate course, and therefore its preparation should not be undertaken, as a rule, until after the first year of graduate study in residence.

During the college year 1921-22, students who hold degrees from other colleges or universities of high standing, and show satisfactory evidence of having completed courses equivalent to the present three year undergraduate courses in engineering in the Sheffield Scientific School, may enter upon graduate work and become candidates for the higher engineering degrees under the requirements just stated.

Non-technical Subjects.—Graduate students in each department of

engineering are expected to take certain non-technical subjects in addition to the prescribed technical studies. A large number of courses in such subjects are open to students, especially in the second year of graduate study. Certain courses in social science and business, such for example as economics, business finance, and accounting, are usually taken during the first year of graduate work.

The Degree of Master of Science.—The degree of Master of Science is not a technical degree in Engineering, and therefore may not be taken in Engineering or in any one of the four principal branches, Civil, Electrical, Mechanical, or Mining Engineering. The degree is conferred for special work in some particular phase of Engineering, such, for example, as Communication Engineering, Sanitary Engineering, or Steam Engineering. The special requirements in detail may be found in the Graduate School Catalogue.

EQUIPMENT AND FACILITIES

SPECIAL LECTURERS. Regular instruction in the different branches of engineering is supplemented by conference courses conducted jointly by members of the engineering faculty and practicing engineers. Leading specialists among engineers are appointed for this work, and in addition a large number of engineers from among Yale Alumni contribute lectures on phases of engineering in which they have specialized.

ENGINEERING LABORATORIES. Laboratory work in engineering is carried on mainly in the Hammond Metallurgical Laboratory, the Mason Laboratory of Mechanical Engineering, and the Electrical Engineering Laboratories, three large modern buildings belonging to the Sheffield Scientific School. The Chemical Laboratories, the Physics Laboratory, the Mineralogical Laboratory, and other University laboratories are also available for the use of graduate students in engineering. An engineering reading room and library affords an opportunity for students to consult standard engineering periodicals and books.

XXIII. CIVIL ENGINEERING

Professor TRACY, Chairman; Professor TILDEN; Assistant Professors BARNEY, C. T. BISHOP, FARNHAM, KIRBY, and SUTTIE.

SPECIAL REQUIREMENTS FOR THE DEGREE OF CIVIL ENGINEER

All candidates for the degree of Civil Engineer are required to take the same prescribed course of study during the first year of graduate work. For the second year, a large number of subjects is offered,

and by choosing a group of related subjects the candidate is able to specialize in some one branch, such as railroad, sanitary, structural, or highway engineering.

Course of Study.—The following is a list of the studies for the first year:

- C.E. 344. Highway Engineering.*
- C.E. 531. Water Supply Engineering.*
- C.E. 651. Structural Engineering.*
- E.E. 241. Electrical Machinery.*
- C.E. 340. Railway Engineering.*
- C.E. 532. Sewerage Engineering.*
- C.E. 562. Masonry and Reinforced Concrete Design.*
- Business Law.*
- Economics.*
- Accounting.*

During the second year the candidate ordinarily specializes in some one branch of civil engineering, and the work is arranged to fit the needs of the individual student, but, in addition to this advanced work, the student is required to complete his program of studies, in consultation with the chairman of the department, by selecting other subjects. The following is a list of courses from which, in most cases, the additional subjects should be selected. For courses not described in this Catalogue, consult the Catalogue of the Sheffield Scientific School.

- C.E. 160, 260. Advanced Surveying.*
- C.E. 170, 270. Geodetic Surveying.*
- C.E. 290. Astronomy for Engineers.*
- C.E. 341. Economic Theory of Railway Location.*
- C.E. 342. Design of Railway Yards and Terminals.*
- C.E. 350. Transportation.*
- C.E. 521. Hydraulic Engineering.*
- C.E. 611. Advanced Stresses.*
- C.E. 641. Structural Details—Steel.*
- C.E. 661. Structural Details—Wood.*
- E.E. 242. Electrical Engineering.*
- M.E. 31. Thermodynamics.*
- M.E. 32. Heat Engines.*
- M.E. 411. Machine Design.*
- E.M. 101. Advanced Strength of Materials.*
- E.M. 102. Advanced Problems in Structural Mechanics.*
- E.M. 104. Movable Structures.*
- Min. 10. Excavation, Boring, Tunneling, and Shaft Sinking.*
- Met. 13. Metallurgy of Iron and Steel.*
- Hydraulic Machinery.*
- Railroad Transportation.*
- Business Administration.*
- Sanitary Water Analysis.*
- Bacteriology and Hygiene.*

Thesis.—Thesis work may be in the application of principles and methods to some definite problem such as the complete design, plans, and estimates for some civil engineering project, or it may involve laboratory research in the investigation of some civil engineering problem, the review of the literature relating to it, and an analysis of results.

DESCRIPTION OF COURSES

Civil Engineering 160. Advanced Surveying.

Field work. Assistant Professor FARNHAM.

Civil Engineering 170. Geodetic Surveying.

Field work. Assistant Professor FARNHAM.

Civil Engineering 260. Advanced Surveying.

Office work. Supplemented by reading and reports on assigned topics, together with office work dependent upon course C.E. 160, which is prerequisite. Assistant Professor FARNHAM.

Civil Engineering 270. Geodetic Surveying.

Office work. Prerequisites: C.E. 13 and C.E. 23 or C.E. 25. Assistant Professor FARNHAM.

Civil Engineering 290. Astronomy for Engineers.

Prerequisites: C.E. 23 or C.E. 25. Assistant Professors FARNHAM and SUTTIE.

Civil Engineering 340. Railway Engineering.

Six hours total, second term. Assistant Professor BARNEY and Mr. LAVIS.

Civil Engineering 341. Economic Theory of Railway Location.

Assistant Professor BARNEY.

Civil Engineering 342. Design of Railway Yards and Terminals.

Assistant Professor BARNEY.

Civil Engineering 344. Highway Engineering.

Inspection trips and reports. Seven hours total, second term. Assistant Professor FARNHAM.

Civil Engineering 350. Transportation.

Two hours. Professor TILDEN.

Civil Engineering 410. Adjustment of Observations.

Assistant Professor FARNHAM.

Civil Engineering 521. Hydraulic Engineering.

Assistant Professor SUTTIE.

Civil Engineering 531. Water Supply Engineering.

Six hours total, first term. Assistant Professor BARNEY.

Civil Engineering 532. Sewerage Engineering.

Six hours total, second term. Assistant Professor BARNEY and Mr. FULLER.

Civil Engineering 561. Cement and Concrete Testing.

An advanced laboratory course. Assistant Professor SUTTIE.

Civil Engineering 562. Masonry and Reinforced Concrete Design.

Six hours total, second term. Assistant Professor SUTTIE.

Civil Engineering 611. Advanced Stresses.

Professor TRACY.

Civil Engineering 641. Structural Details—Steel.

A continuation of C.E. 64 and C.E. 65. Assistant Professor C. T. BISHOP.

Civil Engineering 651. Structural Engineering.

Nine hours total, first term. Assistant Professor C. T. BISHOP and Mr. HOVEY.

Civil Engineering 661. Structural Details—Wood.

Assistant Professor C. T. BISHOP.

Civil Engineering 810. Specifications.

Assistant Professor KIRBY.

XXIV. ELECTRICAL ENGINEERING

Professor SCOTT, Chairman; Assistant Professors BOZELL, MORROW, TURNER;
Mr. ALLEN, Mr. DOOLITTLE, Mr. KNOWLTON, and Mr. R. G. WARNER.

SPECIAL REQUIREMENTS FOR THE DEGREE OF ELECTRICAL ENGINEER

Candidates for the degree of Electrical Engineer are required to spend two years (in certain cases one year only) in resident study. The studies leading to the degree consist chiefly of the courses in Electrical Engineering hereafter described. Courses in other departments of study may be selected from the following list:

1. Engineering Mechanics and Hydraulics.
2. Advanced Strength of Materials.
3. Power Plant Engineering.
4. Industrial Management.
5. Graphical Computation.
6. Theory of Electricity.
7. Technical Translation.
8. Economics and Business Finance.
9. Accounting.
10. Prime Movers.
11. Electrochemistry.
12. Thermodynamics.

With the approval of the department other courses may be chosen by the candidate, who is allowed a certain freedom in selecting his entire course; but in general it is expected that subjects will be selected in groups which will best prepare him for his intended professional work. For example, the subjects selected may lie largely in the domain of analysis of electrical machinery and machine design, or in power plant engineering, or in transmission engineering, or in communication engineering, or tend toward business administration, or manufacturing, transportation, etc. In lieu of a second year in

residence, two or more years of practical engineering work may be accepted under conditions approved by the department. The required thesis is to be based mainly upon work actually performed by the student.

DESCRIPTION OF COURSES

Electrical Engineering 151. Graduate Seminary.

Four hours total. Professor SCOTT.

Electrical Engineering 152. Analysis of Dynamo Machinery and Electrical Circuits.

Prerequisites: E.E. 142 and 143. Nine hours total. Assistant Professor BOZELL and Mr. R. G. WARNER.

Electrical Engineering 153. Advanced Dynamo Machinery Laboratory.

A course accompanying Electrical Engineering 152. Eight hours total. Assistant Professor BOZELL and Mr. R. G. WARNER.

Electrical Engineering 154. General Electrical Engineering.

Nine hours total. Professor SCOTT.

Electrical Engineering 155. Engineering Phases of Public Utility Economics and Management.

Six hours total. Assistant Professor BOZELL.

Electrical Engineering 156. Electrical Power Plant Engineering.

Prerequisite: M.E. 38. Ten hours total, second term. Assistant Professor MORROW and Mr. KNOWLTON.

Electrical Engineering 157. Electrical Transportation Engineering.

Nine hours total. Assistant Professor BOZELL.

Electrical Engineering 158. Illuminating Engineering.

Nine hours total. Assistant Professor BOZELL.

Electrical Engineering 159. Industrial Electrical Engineering.

Nine hours total. Assistant Professor MORROW and Mr. ALLEN.

Electrical Engineering 160. Electrical Machine Design.

Ten hours total.

Electrical Engineering 161. Auxiliary Electrical Apparatus.

Nine hours total.

Electrical Engineering 162. Power Plant Problems.

Prerequisite: M.E. 38. Seven hours total, second term. Assistant Professors MORROW and WOHLBERG.

Electrical Engineering 163. Experimental Engineering.

Ten hours total.

Electrical Engineering 169. Electrical Engineering Research.

Nine to fifteen hours total.

Electrical Engineering 171. Electrical Transmission Engineering.

Nine hours total. Professor SCOTT.

Electrical Engineering 172. Advanced Telephone and Telegraph Engineering.

Prerequisite: E.E. 147 or equivalent. Nine hours total. Assistant Professor TURNER and Mr. DOOLITTLE.

Electrical Engineering 173. Advanced Radio Engineering.

Prerequisite: E.E. 148 or equivalent. Nine hours total. Assistant Professor TURNER and Mr. DOOLITTLE.

Electrical Engineering 174. Transient Electric Phenomena.

Nine hours total. Assistant Professor TURNER.

Electrical Engineering 175. Electrical Networks.

Nine hours total.

XXV. ENGINEERING MECHANICS

Professor TILDEN, Chairman; Assistant Professors HOOK, LAURSON; Mr. HENDRICK, Mr. SKELTON, and Mr. BUSE.

Advanced courses in the department of Engineering Mechanics may be chosen by candidates for higher degrees, with the approval of the chairman of the department in which the degree is desired. The testing laboratories and other facilities of the Engineering Mechanics department are available also to graduate students who may desire to carry on their thesis work in this particular field.

DESCRIPTION OF COURSES

Engineering Mechanics 101. Advanced Strength of Materials.

Prerequisite: E.M. 3 or equivalent. Five hours total. Assistant Professor HOOK.

Engineering Mechanics 102. Advanced Problems in Structural Mechanics.
Professor TILDEN.

Engineering Mechanics 104. Movable Structures.

Prerequisite: Elementary Strength of Materials and Stresses in Structures. Five hours total, first or second term. Assistant Professor LAURSON.

Engineering Mechanics 105. Practical Ballistics.

Four hours total, first or second term. Mr. HENDRICK.

XXVI. MECHANICAL ENGINEERING

Professor BRECKENRIDGE, Chairman; Professor DUDLEY; Assistant Professors LOCKWOOD, SEWARD, G. A. STETSON, WATERS, WOHLBERG.

SPECIAL REQUIREMENTS FOR THE DEGREE OF MECHANICAL ENGINEER

Candidates for the degree of Mechanical Engineer are required to spend at least one year in residence pursuing the prescribed course of study. The remainder of the work necessary for the degree is determined by consultation with the chairman of the department. It usually consists of such experience as may be gained in practice at engineering works or manufacturing establishments.

The Thesis.—The thesis required for the degree usually involves the investigation of some engineering subject, a review of the literature relating to that subject, and a discussion of the results. Complete designs of machinery or engineering plants are suitable subjects.

DESCRIPTION OF COURSES

Mechanical Engineering 11. Inspection Trip.

One week second term. Assistant Professor SEWARD.

Mechanical Engineering 12. Shop Equipment.

Eight hours total, first term. Assistant Professor SEWARD.

Mechanical Engineering 13. Industrial Management.

Eight hours total, second term. Assistant Professor SEWARD.

Mechanical Engineering 14. Industrial Organization.

An extension of the work of M.E. 12 and M.E. 13. Six hours total. Assistant Professor SEWARD.

Mechanical Engineering 33. Power Engineering.

Prerequisites: M.E. 31 and M.E. 32. Nine hours total. Professor BRECKENRIDGE, and Assistant Professors WOHLBERG and STETSON.

Mechanical Engineering 34. Heating and Ventilation.

Eight hours total, first term. Assistant Professor STETSON.

Mechanical Engineering 35. Hydraulics.

Six hours total, second term. Assistant Professor LOCKWOOD.

Mechanical Engineering 36. Heat Engineering.

Six hours total. Assistant Professor WOHLBERG.

Mechanical Engineering 37. Refrigeration.

Prerequisite: M.E. 33. Eight hours total, second term. Assistant Professor LOCKWOOD.

Mechanical Engineering 38. Power Plant Engineering.

Prerequisite: M.E. 33. Nine hours total, first term. Professors BRECKENRIDGE and DUDLEY, and Assistant Professors SEWARD, LOCKWOOD, and WOHLBERG.

Mechanical Engineering 39. Experimental Engineering.

Six hours laboratory. Professor DUDLEY, Assistant Professors LOCKWOOD, SEWARD, STETSON, and WOHLBERG.

Mechanical Engineering 44. Machine Design.

Prerequisite: Elementary Machine Design. Five hours total. Assistant Professor WATERS and Mr. BERARD.

Mechanical Engineering 45. Engineering Design.

Prerequisite: Elementary Machine Design. Five hours total. Assistant Professors WATERS and WOHLBERG.

Mechanical Engineering 47. Advanced Machine Design.

Prerequisite: M.E. 44 or 45. Five hours total. Assistant Professor WATERS.

Mechanical Engineering 51. Mechanics of Machinery.

Prerequisite: Kinematics and Machine Design. Seven hours total. Professor DUDLEY.

Mechanical Engineering 55. Advanced Mechanics of Machinery.

Prerequisite: M.E. 51. Nine hours total. Professor DUDLEY.

Mechanical Engineering 56. Automobile Engineering.

Eight hours total, first term. Assistant Professor LOCKWOOD.

Mechanical Engineering 57. Marine Engineering.

Prerequisite: M.E. 33. Six hours total. Assistant Professor SEWARD.

Mechanical Engineering 82. Seminary.

Two hours. Professor BRECKENRIDGE.

Mechanical Engineering 84. Engineering Estimates.

Six hours total, second term. Professor BRECKENRIDGE and Assistant Professor WOHLBERG.

Mechanical Engineering 88. Technical Translation.

Six hours total, first or second term. Professor BRECKENRIDGE.

Mechanical Engineering 91. Research for Thesis.

Six to ten hours. Professors BRECKENRIDGE and DUDLEY, Assistant Professors LOCKWOOD, SEWARD, and WOHLBERG.

Mechanical Engineering 92. Graphical Computation.

Open also to properly qualified Seniors. Three hours total. Assistant Professor SEWARD.

Mechanical Engineering 162. Power Plant Problems.

Prerequisite: M.E. 38. Seven hours total, second term. Assistant Professors WOHLBERG and MORROW.

XXVII. MINING AND METALLURGY

Professor MATHEWSON, Chairman; Assistant Professor PHILLIPS; and Mr. R. K. WARNER.

SPECIAL REQUIREMENTS FOR THE DEGREE OF ENGINEER OF MINES

Candidates for the degree of Engineer of Mines, in addition to the regular resident study of two years, are required to spend two or three months at the mines, during the summer preceding the last year. This work in general consists of a detailed study of the entire plant and operations at one mine supplemented by short visits to other mines. The manner in which work is carried on will be determined by the chairman of the department.

A number of mining companies are willing to coöperate with the School in this work and in some cases it is possible for students to obtain actual employment at the mines.

The required thesis is based largely on the data obtained in the summer work.

SPECIAL REQUIREMENTS FOR THE DEGREE OF METALLURGICAL ENGINEER

Candidates for the degree of Metallurgical Engineer, in addition to the two years of resident study, are required to spend two or three months during the summer preceding the last year in making a detailed study of the operation and equipment of a metallurgical plant in this country. The data obtained in this manner are usually

made the basis of the thesis. Laboratory investigations of the processes observed during the summer are carried on in the Metallurgical Laboratory in connection with the thesis work. The field is a broad one and a wide choice of subjects for thesis work is possible.

SPECIAL REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

The general requirements for the degree of Master of Science are stated under the heading, DEGREES.

Students who do not desire to become candidates for the engineering degree in Mining or Metallurgy, but intend to specialize in Mining, Metallurgy, Ore Dressing, or Metallography, may, if properly qualified, undertake work in one or more of these branches leading to the degree of Master of Science. Courses of study will be arranged to meet the needs of the individual.

Students who have completed an undergraduate course either in Chemistry or in Engineering, equivalent to that given in the Sheffield Scientific School, are eligible for the course leading to the degree of Master of Science in Metallography. Those who have specialized in chemistry are required during their first graduate year to take certain undergraduate courses in fundamental engineering subjects; while those who have specialized in engineering are required to take certain courses in chemistry.

It is possible for a student who, in the opinion of the department, has acquired sufficient knowledge, both in chemistry and the mechanical properties of materials, to complete the graduate course in metallography at the end of one year in residence at this University.

DESCRIPTION OF COURSES

MINING

The second-year courses in mining will not be given in 1921-22.

Mining 201. Mining Methods.

Nine hours total. Mr. R. K. WARNER.

Mining 211. Mine Equipment.

Nine hours total.

Mining 221. Mine Management, Examination, Valuation, etc.

Seven hours total, first term.

Mining 301. Ore Dressing.

A general knowledge of the principles of ore dressing and of ore dressing laboratory methods are prerequisite for this course. Nine hours total. Mr. R. K. WARNER.

Mining 401. Mine Accounting.

An adequate course in accounting is prerequisite. Three hours total, second term.

Mining 601. Problem for Thesis.

In general the problem will take the form of an hypothetical mining property situated in some mining district with which the student is familiar.

Mining 701. Design of Mine Structures.

This design work is done in connection with Mining 601.

Mining 801. Summer Work in Mining.

Two or three months during the summer, between the first and second graduate years.

METALLURGY

**Metallurgy 121. General Metallurgy.*

Five hours total, second term. Professor MATHEWSON.

**Metallurgy 131. Metallurgy of Iron and Steel.*

Three hours total, second term. Professor MATHEWSON.

Metallurgy 141. Metallurgical Equipment.

An illustrated lecture course treating in detail the equipment of metallurgical plants. Four hours total, first term. [Omitted in 1921-22.]

Metallurgy 151. Metallurgy of Copper.

Three hours total, first term. Assistant Professor PHILLIPS.

Metallurgy 161. Metallurgy of Gold and Silver.

Six hours total, first term. [Omitted in 1921-22.]

Metallurgy 162. Metallurgy of Lead, Silver, and Gold.

Three hours total, second term. Assistant Professor PHILLIPS.

Metallurgy 171. Metallurgy of Zinc and Minor Metals.

Three hours total, second term. Assistant Professor PHILLIPS.

Metallurgy 182. Theoretical Metallurgy.

Three hours total, second term. Professor MATHEWSON.

Metallurgy 183. Advanced Metallography.

Twenty-five hours total. Professor MATHEWSON and Assistant Professor PHILLIPS.

Metallurgy 184. Advanced Metallography.

A continuation of Metallurgy 183. Thirty hours total. Professor MATHEWSON and Assistant Professor PHILLIPS.

Metallurgy 185. Seminary.

Given in connection with Metallurgy 183 and 184. Four hours total. Professor MATHEWSON and Assistant Professor PHILLIPS.

Metallurgy 191. Electrometallurgy.

An understanding of electrical measurements and of the principles of metallurgy is required for this course. Three hours total, first term. Professor MATHEWSON.

Metallurgy 201. Metallurgical Laboratory.

Nine hours total, second term. Assistant Professor PHILLIPS.

Metallurgy 231. Research for Thesis.

Professor MATHEWSON and Assistants.

Metallurgy 241. Design of Metallurgical Plant.

To be taken in connection with Metallurgy 231. Professor MATHEWSON and Assistants. [Omitted in 1921-22.]

COURSES IN PREPARATION FOR EXAMINATIONS
FOR ENTRANCE INTO CONSULAR OR
DIPLOMATIC SERVICE

The regulations of the Department of State now in force provide that admission to consular and diplomatic service shall be by executive appointment of properly accredited candidates who have demonstrated their fitness for that service by examinations, held at irregular intervals, by a board of examiners designated by the Department of State at the direction of the President. Applicants for that examination who have been approved by the Department of State are required to present evidence of "moral, mental and physical qualifications, character, address, and general education and good command of English," as determined in part by statements previously filed in connection with application for permission to take the examination.

That examination consists of two parts, one oral, one written. The former, apart from the determination of fitness in the particular subject involved, takes account of the candidate's "ability, alertness, general contemporary information and natural fitness for the service"; and a general average of at least eighty is required for eligibility to appointment. In the case of languages, satisfactory evidence must be given of a knowledge of reading, speaking, and writing. For blank forms of application and additional information prospective candidates should address the Department of State, and have their names recorded as applicants for admission to examination a reasonable time in advance.

In general a knowledge of French is a prime requisite for such service, as the common tongue of diplomatic intercourse, though German or Spanish may be substituted; and the use of two foreign languages is a considerable advantage to the candidate. Beside this there are eight or nine subjects of examination in which applicants are supposed to be thoroughly grounded. They are: the industrial and commercial resources of the United States; political and commercial geography; political economy; the history, government, and institutions of the United States; modern history since 1850, including Europe, Latin America, and the Far East, with special attention to political, economic, and commercial tendencies; arithmetic, with particular reference to commercial statistics, tariff calculations, exchange, and accounts, for those intending consular service especially; composition, grammar, spelling, and writing; and international, commercial, and maritime law, with the fundamental principles of common law, rules of evidence, and trial of civil and criminal cases.

It may be recommended that, wherever possible, at least a year abroad, and study at such a school as the *École libre des Sciences*

Politiques in Paris, to perfect a knowledge of foreign language and instruction in subjects more or less unattainable in the United States, be undertaken upon conclusion of preparation here, especially for men planning to enter the diplomatic service in any capacity.

Of the courses offered at present in Yale University the following will be found most helpful in preparation for the examinations as indicated above. These are described in the catalogues of the respective Schools of the University.

Catalogue of Yale College:—

French

<i>Elementary French</i>	3 hrs.
<i>Second-Year French</i>	3 hrs.
<i>Advanced French</i>	3 hrs.
<i>Practice in Writing and Speaking French</i>	3 hrs.

German

<i>Elementary German</i>	3 hrs.
<i>Intermediate German</i>	3 hrs.
<i>Advanced German</i>	3 hrs.
<i>German Composition and Conversation</i>	3 hrs.

Russian

<i>Elementary Russian</i>	3 hrs.
<i>Second-Year Russian</i>	3 hrs.

Spanish

<i>Elementary Spanish</i>	3 hrs.
<i>Composition in Spanish and Reading of Modern Prose</i>	3 hrs.
<i>Advanced Composition and Conversation</i>	3 hrs.

Economics

<i>Elementary Economics</i>	3 hrs.
<i>Financial History of the United States</i>	3 hrs. 1st term
<i>Foreign Trade</i>	3 hrs. 1st term
<i>Accounts</i>	3 hrs. 1st term
<i>Statistics</i>	3 hrs. 2d term

History

<i>United States History</i>	3 hrs.
<i>Contemporary History of the United States</i>	3 hrs. 2d term
<i>American Constitutional History</i>	3 hrs. 1st term
<i>Contemporary Europe</i>	3 hrs. 2d term

Catalogue of the Sheffield Scientific School:—

<i>Spanish</i> ¹	} Grammar, reading and practice in simple spoken Spanish
²	
³	<i>Conversational Spanish</i>

<i>Business Administration</i> ²	<i>Domestic and Foreign Commerce</i>	3 hrs. 1st term
⁵	<i>Accounting</i>	3 hrs.

Catalogue of the School of Law:—

<i>Admiralty</i>	2 hrs. 2d term
<i>Comparative Commercial Law</i>	2 hrs.
<i>Contracts</i>	4 hrs. 1st term

<i>Contracts (cont.)</i>	3 hrs. 2d term
<i>Court Practice</i>	2 hrs.
<i>Evidence</i>	2 hrs.
<i>International Law</i>	2 hrs.

Catalogue of the Graduate School:—

<i>Germanic 60 Norwegian and Danish</i>	2 hrs.
<i>Germanic 62 Swedish</i>	3 hrs.
<i>Economics 48 Commercial Relations of the United States</i>	2 hrs.
<i>History 65 History of Europe during the Nineteenth Century</i>	2 hrs.
<i>History 143 Latin-American Commerce</i>	3 hrs. 1st term
<i>History 144 Latin-American Diplomacy</i>	3 hrs. 1st term
<i>History 152 Hispanic America in the Nineteenth and Twentieth Centuries</i>	3 hrs. 2d term
<i>History 170 Western Diplomatic Intercourse with Asiatic Nations</i>	2 hrs.

For further particulars, Professor Hiram Bingham should be consulted.

GRADUATE COURSES IN THE SCHOOL OF FORESTRY

The DEGREE OF MASTER OF FORESTRY is conferred under the direction of the Board of Permanent Officers of the School of Forestry, after two years of technical training. Although two years is the normal length of time required, the actual time is determined in each case by the character of the previous work of the candidate and the quality of the work accomplished while in attendance here. With the approval of the faculty, work of equal grade done in residence at other institutions will be accepted toward the degree, but at least one year of residence here is required.

Graduates of scientific schools, colleges, and universities of high standing are admitted as candidates for the degree upon presentation of their diplomas, provided they have satisfactorily completed courses in the following subjects: Botany, Geology, Physics, Inorganic Chemistry, Economics, Mechanical Drawing, and Trigonometry, and have a reading knowledge of French and German.

Those who have not received a degree but have completed a minimum of three years of collegiate work, including the required subjects, are also admitted, provided they can show by certificate or examination that they have received the substantial equivalent of a college training. Their fitness for admission is determined from the subjects and range of their previous studies; full statements must be presented from their instructors showing the character and quality of their work. By vote of the forestry faculty, such non-graduate students as show superior scholarship may become candidates for the degree of Master of Forestry.

The following schedule of courses is required of candidates for the degree who enter without previous training in forestry:

JUNIOR YEAR

SUMMER TERM

Subject	Length in weeks	Hours per week	
		Lectures and Recitations	Field and Laboratory
Surveying A (11)	8	3	17
Surveying C (13)	2	3	17
Forest Mensuration (15)	10	2	14
Dendrology A (1)	10	..	4

FIRST TERM

Subject	Length in weeks	Hours per week	
		Lectures and Recitations	Field and Laboratory
Silviculture Aa (4)	16	3	8
Dendrology A (1)	10	..	4
Surveying B (12)	16	..	6
Forest Improvements, etc. (14) ..	16	2	..
Forest Economics A (29)	10	2	..
Forest Physiography (3)	16	2	2
Forest Products A (20)	16	..	3

SECOND TERM

Subject	Length in weeks	Hours per week	
		Lectures and Recitations	Field and Laboratory
Forest Physiography (3)	13	2	2
Forest Products B (21)	7	2	..
Forest Products C (22)	7	2	..
Silviculture Ba (6)	16	4	10
Silviculture Bb (7)	13	2	6
Forest Protection A (9)	7	..	9
Forest Protection B (10)	7	..	9

SENIOR YEAR

FIRST TERM

<i>Subject</i>	<i>Length in weeks</i>	<i>Hours per week</i>	
		<i>Lectures and Recitations</i>	<i>Field and Laboratory</i>
Dendrology B (2)	16	2	..
Lumbering A (26)	16	4	..
Forest Management A (16)	10	2	..
Forest Management B (17)	16	4	..
Forest Products D (23)	16	..	3
Forest Products E (24)	16	2	..
Forest Economics B (30)	16	2	..
Forest Economics C (31)	16	1	..

SECOND TERM

<i>Subject</i>	<i>Length in weeks</i>	<i>Hours per week</i>	
		<i>Lectures and Recitations</i>	<i>Field and Laboratory</i>
Dendrology B (2)	4	2	..
Lumbering A (26)	4	4	..
Forest Management B (17)	4	4	..
Forest Economics B (30)	4	2	..
Forest Economics C (31)	4	1	..
Forest Management C (18)	12	..	28
Lumbering B (27)	12	..	16

On approval of the department, subjects in Tropical Forestry and advanced subjects in Silviculture, Dendrology, Forest Management, Forest Products, and Lumbering, may be substituted for certain subjects in the above schedule.

The degrees of Master of Science and Doctor of Philosophy are available for students pursuing certain subjects and doing research work in the department of Forestry.

GRADUATE COURSES IN THE SCHOOL OF LAW

The DEGREES OF DOCTOR OF LAW and DOCTOR OF CIVIL LAW are given under the direction of the School of Law.

Candidates for the Degree of Doctor of Law are required to obtain credit, with a weighted average of ten per cent above the passing grade, in courses aggregating twenty-four semester units. The courses must be chosen with the approval of the law faculty, and must in normal cases include at least ten units of work listed in the graduate law curriculum. The work may be completed in one year or distributed over two years.

Candidates for the Degree of Doctor of Civil Law must receive credit with distinction for two years of graduate study in law. Credit may be received for not more than one year of such study pursued at another law school of approved standing. By special vote of the law faculty, an experienced teacher in an approved law school may be permitted to qualify for this degree in one year. Candidates must also present a satisfactory thesis evidencing original research and constituting a genuine contribution to legal scholarship.

The following courses comprise the Graduate Curriculum. A detailed description of each may be found in the catalogue of the School of Law. Several of the courses are open to students registered in the Graduate School only if such students have had some preparation in law studies. The consent of the instructor must be obtained in each case before admission to the course.

Professor BORCHARD:—

Administrative Law and Public Officers	3 hrs. 1st term
Comparative Commercial Law	2 hrs. each term
International Law	2 hrs. each term

Professor GAGER:—

Jurisprudence	2 hrs. 2d term
Legal History	2 hrs. 1st term

Professor LORENZEN:—

Code Napoleon	2 hrs. 1st term
Latin-American Law	2 hrs. 2d term
Comparative Conflict of Laws	2 hrs. 1st term
Roman Law and Modern Developments	2 hrs. each term
Seminar in Roman Law and Comparative Law	2 hrs. 2d term

Assistant Professor WOODBINE:—

Early English Legal Literature	2 hrs. each term
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SCHOOL OF MEDICINE

FACULTY

ADMINISTRATIVE OFFICERS

ARTHUR TWINING HADLEY, PH.D., LL.D., President.

JAMES ROWLAND ANGELL, Litt.D., President-elect.

MILTON CHARLES WINTERNITZ, M.D., Dean.

PROFESSORS

CHARLES JOSEPH BARTLETT, M.D., Professor of Pathology, Emeritus.

WILLIAM HENRY CARMALT, M.D., Professor of the Principles and Practice of Surgery, Emeritus.

RALPH AUGUSTINE McDONNELL, M.D., Clinical Professor of Dermatology, Emeritus.

MAX MAILHOUSE, M.D., Clinical Professor of Neurology, Emeritus.

HERBERT EUGENE SMITH, M.D., Professor of Chemistry, Emeritus.

HARRY BURR FERRIS, M.D., E. K. Hunt Professor of Anatomy.

JOSEPH MARSHALL FLINT, M.D., Professor of the Principles and Practice of Surgery.

JAMES COWAN GREENWAY, M.D., Director of the Department of University Health and Lecturer on Public Health.

ROSS GRANVILLE HARRISON, PH.D., M.D., Sc.D., Professor of Embryology.

HAROLD WATERS HERSEY, M.D., Superintendent of the New Haven Hospital.

LAFAYETTE BENEDICT MENDEL, PH.D., Sc.D., Professor of Physiological Chemistry.

OLIVER THOMAS OSBORNE, M.D., Professor of Therapeutics.

EDWARDS ALBERT PARK, M.D., Professor of Pediatrics.

FRANK PELL UNDERHILL, PH.D., Professor of Pharmacology and Toxicology.

CHARLES-EDWARD AMORY WINSLOW, M.S., Dr.P.H., Anna M. R. Lauder Professor of Public Health.

MILTON CHARLES WINTERNITZ, M.D., Dean, and Professor of Pathology and Bacteriology.

ASSISTANT PROFESSORS

HENRY GRAY BARBOUR, M.D., Assistant Professor of Pharmacology.

HAROLD SAXTON BURR, PH.D., Assistant Professor of Anatomy.

ROBERT JAY COOK, M.D., Assistant Professor of Orthopedics.

ABRAHAM NOWELL CREADICK, M.D., Assistant Professor of Obstetrics and Gynecology.

SAMUEL CLARK HARVEY, M.D., Assistant Professor of Surgery.

ROBERT ARCHIBALD LAMBERT, M.D., Assistant Professor of Pathology.

GEORGE HATHORN SMITH, Ph.D., Assistant Professor of Bacteriology.

INSTRUCTORS

ARTHUR BLISS DAYTON, M.D., Instructor in Medicine.

WILLIAM CORE DUFFY, M.D., Instructor in Surgery.

ETHEL COLLINS DUNHAM, M.D., Instructor in Pediatrics.

HOWARD WILCOX HAGGARD, M.D., Instructor in Physiology.

IRA VAUGHAN HISCOCK, M.A., Instructor in Public Health.

AXEL MAGNUS HJORT, Ph.D., Instructor in Pharmacology.

REDFORD KOHLSAAT JOHNSON, M.D., Instructor in Physiology.

FRANK McNAMARA, M.D., Instructor in Pathology and Bacteriology.

THEODORE SIDNEY MOISE, M.D., Instructor in Pathology and Bacteriology.

MICHAEL RINGER, M.D., Instructor in Pharmacology and Toxicology.

ELLIOTT STIRLING ROBINSON, M.D., Instructor in Pathology and Bacteriology.

CLIFTON RUSSELL SCOTT, M.D., Instructor in Radiology.

ISABEL MARY WASON, M.D., Instructor in Pathology and Bacteriology.

CLINICAL PROFESSORS

ARTHUR NATHANIEL ALLING, M.D., Clinical Professor of Ophthalmology.

GEORGE BLUMER, M.D., David P. Smith Clinical Professor of Medicine.

ARNOLD LUCIUS GESELL, Ph.D., M.D., Professor of Child Hygiene.

WILLIS ELLIS HARTSHORN, M.D., Clinical Professor of Surgery.

EDWARD HICKS HUME, M.D., Visiting Professor of Medicine.

JOHN EDWARD LANE, M.D., Clinical Professor of Dermatology.

ARTHUR HENRY MORSE, M.D., Clinical Professor of Obstetrics and Gynecology.

ALFRED GOLDSTEIN NADLER, M.D., Clinical Professor of Dermatology.

FREDERICK NOYES SPERRY, M.D., Clinical Professor of Laryngology.

HENRY LAWRENCE SWAIN, M.D., Clinical Professor of Otolaryngology.

WILDER TILESTON, M.D., Clinical Professor of Medicine.

WILLIAM FRANCIS VERDI, M.D., Clinical Professor of Surgery.

ASSISTANT CLINICAL PROFESSORS

EUGENE MAURICE BLAKE, M.D., Assistant Clinical Professor of Ophthalmology.

LOUIS MICHAEL GOMPERTZ, M.D., Assistant Clinical Professor of Gastro-Intestinal Diseases.

JOSEPH IRVING LINDE, M.D., Assistant Clinical Professor of Pediatrics.

FRANK LYMAN PHILLIPS, M.D., Assistant Clinical Professor of Oto-Rhino-Laryngology.

FRANK BILLINGS STANDISH, M.D., Assistant Clinical Professor of Medicine.

CLINICAL INSTRUCTORS

CHARLES WILLIAMS COMFORT, JR., M.D., Clinical Instructor in Medicine.

ISAO HIRATA, M.D., Clinical Instructor in Surgery.

WILLIAM McDONALD, JR., M.D., Clinical Instructor in Neurology.

DONALD WALLACE PORTER, M.D., Clinical Instructor in Pediatrics.

HARRY ST. CLAIR REYNOLDS, M.D., Clinical Instructor in Pediatrics.

JEREMIAH BARRETT SULLIVAN, M.D., Clinical Instructor in Surgery.

WILLIAM BARCLAY TERHUNE, M.D., Clinical Instructor in Psychiatry.

THOMAS HERBERT YOUNG, M.D., Clinical Instructor in Ophthalmology.

LECTURERS

JOHN FREDERICK BAKER, LL.B., Lecturer on Sanitary Law.

ALLEN ROSS DIEFENDORF, M.D., Lecturer on Psychiatry.

LOUIS DUBLIN, Ph.D., Lecturer on Vital Statistics.

DAVID RUSSELL LYMAN, M.D., Clinical Lecturer on Tuberculosis.

ANDREW HOWARD RYAN, M.D., Lecturer on Industrial Physiology.

MARVIN McRAE SCARBROUGH, M.D., Lecturer on Medical Jurisprudence.

JAMES HENRY WEBB, LL.B., Special Lecturer on Legal Medicine.

GENERAL STATEMENT

HISTORY

IN the fall of 1810 a charter was granted to the President and Fellows of Yale College and the President and Fellows of the Connecticut Medical Society, authorizing them to unite according to the terms of certain "Articles of Union," before agreed upon, for the establishment of a medical seminary, to be styled the Medical

Institution of Yale College. Two years later the School was organized, and in the fall of 1813 instruction was begun. The professors of the Faculty were appointed by the President and Fellows of Yale College on nomination by the Medical Society. Degrees were conferred by the same authority on the recommendation of the board of examiners, consisting of the members of the Faculty and an equal number appointed by the Medical Society. This dual government continued until 1884, when by an amicable arrangement with the Medical Society, the College (later the University) authorities assumed entire control of the School.

The first degrees were conferred in 1814 and beginning with that date classes have graduated each year. The Medical School of Yale College, or Yale University, as the institution has been called since 1887, has been therefore in continuous operation since 1813.

It was early recognized by the founders of the School that clinical instruction was necessary for a proper training in medicine and that such facilities must be intimately associated with the Faculty. This, with the need for a hospital in Connecticut, led a group of physicians of New Haven, of which five were members of the Faculty of the School, to petition the legislature in 1826 for a charter for the "General Hospital Society of Connecticut," and this was granted the same year. In 1832 the building which is now in use for a private ward was completed and opened to patients. Of the six attending physicians and surgeons, four were on the Faculty of the School, and clinical teaching was at once instituted. In 1848 the first resident house physician was appointed. During the Civil War many temporary structures were erected and 25,340 patients were treated. In 1876 the east and west wings were added and a few years later the Gifford wards. The south building was erected in 1900 and the Isolation Pavilion in 1916. In 1873 the Connecticut Training School for Nurses was established, being one of three started in that year, and the first in this country.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

CLINICAL FACILITIES

THE NEW HAVEN HOSPITAL which is the center of the teaching for the third and fourth year students, is five blocks distant from the center of the University and situated at a point immediately adjacent to the tenement section of the city. It comprises a modern administration building containing the administrative offices, dormitories for the house staff, and X-ray plant with both treatment and

diagnostic rooms, and an electrocardiographic room connected with all the wards; a private ward of fifteen beds; male and female eye wards; a medical block of two wards; a surgical block of three wards, and a pediatrics ward; a three story and basement building for the woman's clinic; a modern three story building for contagious diseases; and a modern operating building with an amphitheatre and accessory rooms. There is also available a clinical amphitheatre for the demonstration of patients for teaching purposes. The hospital has a capacity of about 270 patients and all the services are active inasmuch as only those cases are taken which are amenable to treatment. It runs to capacity in particular during the teaching period and in the past year 7,652 patients were cared for. The services are four, namely: Medicine; Pediatrics; Surgery; and Gynecology and Obstetrics; and are controlled and staffed by the Faculty of the School of Medicine, the material thus being made available to the fullest degree for the purposes of ward teaching. The Medical service, in addition to 45 beds for the usual medical cases including neurology, dermatology, and syphilis, has also in the contagious pavilion 60 beds. Pediatrics has this year a capacity of 30 beds of which 15 are in the Isolation Pavilion, but it is to be immediately expanded during the ensuing year to 50. Surgery has available 90 beds, including orthopedics, genito-urinary, and neurological cases. The woman's clinic has a capacity for 36 patients and includes both gynecological and obstetrical cases.

The UNIVERSITY CLINIC was erected in 1901 as a gift from Mrs. T. G. Bennett as a memorial to her mother, Jane Ellen Hope, wife of Oliver Fisher Winchester, and is situated opposite the New Haven Hospital. This is a three story building, completely modern in construction and equipment, and is in use as a dispensary for the care of ambulatory patients and for clinical instruction in the third and fourth year classes. It contains, aside from waiting rooms, 25 examining and operating rooms especially equipped for the requirements of the different clinics. In the third story is a dormitory for the use of students attending the out-patient obstetrical service, and in the basement is a recently constructed suite of five rooms comprising an operating room and cystoscopy room, in addition to examining and treatment rooms for the Departments of Genito-urinary diseases, and Gynecology and Obstetrics. The building also contains an amphitheatre and lecture room for didactic teaching and clinical periods during the third and fourth years. The University Clinic which is directly contiguous with the hospital and staffed by the Faculty of the School, is, therefore, intimately available for teaching purposes in internal medicine, surgery, orthopedic surgery, genito-urinary surgery, ophthalmology, otology, laryngology, neurology, gynecology

and obstetrics, including an out-patient service, pediatrics, dermatology, syphilis, tuberculosis, and psychiatry. In addition there are clinics in psychology and dentistry. The laboratory facilities of the hospital, including X-ray, bacteriology, and serology are readily available for the service of the dispensary. The third and fourth year students are divided into sections and in rotation participate in the regular work of the several clinics. During the past year there were 35,400 visits to the dispensary, of which some 5,000 were new cases. The sections in Psychiatry attend several clinics during the year at the State Hospital for the Insane at Middletown which has a capacity of about 2,000 beds, and are thus made familiar with the various forms of insanity. Sections in tuberculosis also attend special clinics at the Gaylord Farm Sanatorium, particular emphasis being laid on the details of sanatorium treatment.

LIBRARY FACILITIES

The MEDICAL SECTION of the UNIVERSITY LIBRARY is situated in the north wing of the Library Building on the campus about two blocks from Medical Hall and five blocks from the hospital. The number of books in this section is about 26,000 in addition to 10,000 dissertations, and 10,000 reprints and other pamphlets. It is kept up-to-date by constant accessions. The Library subscribes to more than 200 medical serials of which 144 are kept in the medical section. Especially trained medical librarians are in charge and available for the services of those using this section. The books in the University Library devoted to the sciences allied to medicine are in close proximity to the medical section and the services of the Library as a whole are open to those interested in medicine. In addition there are also smaller libraries in connection with various departments. In particular in the BRADY LABORATORY there is an excellent collection of current periodicals and reference books. This is especially available for the third and fourth year students who spend the greater part of their time in the Hospital and Dispensary.

ROOMS AND BOARD

Dormitory privileges are extended to medical students in Edwards and Taylor Halls. Application should be made in advance to the Superintendent of the Buildings of the Divinity School. The majority of medical students room in private houses in the vicinity of the School. A list of such acceptable quarters may be secured on application to the University Service Bureaus at 20 Ashmun Street.

There are numerous restaurants, private houses, and students' clubs where board may be obtained.

EXPENSES

Matriculation (paid but once).....	\$5.00
Tuition (per annum).....	300.00
Graduation Fee.....	20.00

Every student on admission is required to file a bond with the Bursar for \$500 as security for the payment of charges arising under the laws of the School. A blank form for this purpose is provided at the time of admission.

On admission each student is required to own a microscope and blood counting apparatus, of a modern standard make, for his use during the medical course. On application at time of matriculation the student may obtain such instruments from the University, the cost of which may be distributed in three equal annual payments.

Bills for tuition and other charges are made out and delivered to the student (or mailed to the parent or guardian *if request to that effect is made*) at the beginning of each term, at which time they are payable at the University Bursar's Office in Houghton Hall. Delay in payment renders the student liable to forfeiture of his enrollment and the Bursar is directed to regard a delinquent student's registration as temporarily suspended, and to so report to the Dean. Registration once suspended or forfeited can be restored only upon payment of a fee of \$5. No degrees can be conferred nor any certificates of attendance or examination furnished until all bills due the University are paid. The cost of textbooks and laboratory supplies averages about \$250 for the course. An allowance for this expenditure should be made in estimating the cost of the medical course.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

See Section VIII of this Catalogue.

UNIVERSITY PRIVILEGES

See Section III of this Catalogue.

REQUIREMENTS FOR ADMISSION

GENERAL REQUIREMENTS

Prospective students are recommended to complete their college course before entering the School of Medicine. However, a limited number of students in Yale College or the Sheffield Scientific School, depending upon proper qualifications, may combine their college and medical courses, entering the Medical School at the beginning of the fourth college year. These students must confer personally with the Dean of the School of Medicine prior to the end of their Junior

academic year, and inform the offices of their schools of their desire at the time of handing in the schedule for their Senior year, during which the purely scientific studies of the first year of the Medical School work may be completed from the elective studies offered to students of the College and the Scientific School.

I. Candidates must present evidence that they have received degrees in Arts or Sciences from approved universities or colleges including such courses as are named under "Special Requirements."

II. Other candidates must present satisfactory evidence

(a) That they have completed a four-year course of at least fifteen units in a standard accredited high school or other institution of standard secondary school grade, or the equivalent as demonstrated by examinations conducted before the College Entrance Examination Board; and

(b) That they have received degrees in Arts or Science from approved universities or colleges including such courses as are specified under "Special Requirements."

III. A limited number of candidates may be admitted who present satisfactory evidence that they have completed successfully three years of college work of at least fifteen hours per week. Such evidence must be furnished by certificates from an institution of recognized standing, and the courses must have included the subjects specified under "Special Requirements."

NOTE: Candidates who cannot present the certificates indicated may present publications, records of research work, or other special evidence of their fitness to pursue the study of medicine. Such candidates may be admitted, however, only by a special vote of the Medical Faculty in each case.

SPECIAL REQUIREMENTS

Prerequisite courses include General Physics, Laboratory Physics or Physical Chemistry, Inorganic Chemistry, Organic Chemistry, and General Biology, reasonably equivalent to the courses in these subjects in Yale College, and two years of French or German.

Students are not admitted to the Medical School with conditions.

Students who complete the four-year academic course prior to entering the Medical School are advised to include the following subjects: Elementary Psychology, Analytical Chemistry, General Bacteriology, Embryology, Physiological Chemistry, and Physiology of Nutrition. French and German are requisite for proper medical study and prospective students are urged to acquire facility in reading both languages.

The number of students in each class is limited. Applications will

be received to July 15, after which date all the credentials of each applicant will be reviewed on the following basis:

1. The character of the institution in which the collegiate work was done.
2. The academic standing of the applicant in the required sciences and modern languages.
3. The personal letters from teachers of the pre-medical sciences which the applicant has submitted.

If the applicant is accepted he will be expected to sign a pledge to enter the Medical School the following September, in order to prevent exclusion of another in his place.

All students will be required to undergo a physical examination on entrance, and whenever subsequently the Faculty shall deem it necessary.

ADMISSION TO ADVANCED STANDING

Students from Class A Medical Schools who are free from conditions and who are able to furnish certificates, testimonials, or other evidence demonstrating to the satisfaction of the Dean that they have received instruction reasonably equivalent to that given here, and have maintained a creditable stand, may be admitted to advanced standing in this School without examination. This rule applies equally to students from two-year schools.

REQUIREMENTS FOR ADVANCEMENT

Students are advanced from one class to the next by vote of the Faculty, based on their standing in the examinations, and on the record of their work for the year. The final passing mark is obtained by averaging the annual examination mark and the mark indicating the term standing in equal proportions. When practical examinations are given, the term stand, practical examination, and written examination each count one third. The term standing is based upon the test examinations, the attendance, and the records of the student's daily work.

The annual examinations are held in June in the studies of each year, or in some cases at the completion of a course which does not extend through the whole year.

REQUIREMENTS FOR A DEGREE

To be eligible for the degree of Doctor of Medicine, every candidate must fulfill the following conditions:

1. He must be at least twenty-one years of age, and must sustain a good reputation for moral character.

II. He must have pursued medical studies for four years, and have been a student in this School for at least one year. If he has not pursued the four years' curriculum in this School, he must have taken such studies in some other recognized institution as are equivalent to the remainder of the full term of study.

III. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course, and must have presented a satisfactory thesis on some subject relating to medicine. The thesis should be presented to the Dean on the third Wednesday before Commencement. The thesis is the property of the Medical School, and may be published only by permission of a standing committee of the Faculty.

GRADUATE INSTRUCTION IN CLINICAL MEDICINE

The only effective type of post-graduate instruction that has yet been developed in clinical medicine is a by-product of the Resident system in hospitals and medical schools. The essential educational nature of this work has never been formally recognized by any university. It is, therefore, proposed to utilize this well tried and effective system as the basis for the development of graduate instruction in clinical medicine at Yale in the form of definitely organized and formalized courses leading to the degrees of M.S. and Ph.D. These are described in this Catalogue under the Graduate School, and in detail in the annual catalogues of the Graduate and Medical Schools.

COURSES LEADING TO CERTIFICATE AND DEGREE IN PUBLIC HEALTH

In response to the growing demand for trained specialists in public health, the Graduate School of Yale University offers courses of study leading to the Certificate in Public Health, and to the degree of Doctor of Philosophy in subjects related to public health. These are described in this Catalogue under the Graduate School, and in detail in the annual catalogues of the Graduate and Medical Schools.

Further information regarding the certificate and degree in public health may also be obtained from Professor C.-E. A. Winslow, Nathan Smith Hall, Park and Oak Streets, New Haven, Conn.

THE CURRICULUM

The curriculum is divided into the pre-clinical and clinical periods. The pre-clinical period extends over two years, but the students may spend a longer time with advantage, and especially those who as members of the undergraduate Schools are pursuing combined courses may well devote three years to the work.

The general plan of the curriculum is that, before beginning the clinical studies of the third and fourth years, a student must complete the required courses in anatomy, physiology, physiological chemistry, histology, embryology, bacteriology, pathology, and pharmacology. In the latter part of this period the student pursues courses in minor surgery and bandaging, and in physical diagnosis and clinical microscopy and chemistry, as a special preparation for the work of the third year.

The instruction during the pre-clinical period is very largely given in the laboratory, but sufficient time is given to classroom instruction to insure to the student a broad and comprehensive view of his work. The classroom instruction is chiefly by recitations from assigned readings, with occasional lectures and demonstrations. In most departments there are also frequent short written tests. The laboratories are thoroughly equipped for systematic and accurate work and such work is exacted from the student.

In the clinical period most of the didactic work is placed in the third year. This year also includes preliminary general clinical work in the Dispensary and Hospital. The fourth year is devoted largely to more advanced clinical work in the dispensary and in the wards of the hospital. There are some lectures in the specialties during the early part of the year, but much of the classroom work is devoted to conferences on the seminar plan.

COURSES OF INSTRUCTION

In the following statements of the individual courses the number of hours indicates, unless otherwise stated, the number of hours planned for each student each week during the year. In some cases the courses continue during a part only of the year and are so indicated. Optional courses are indicated by a star (*). All others are required.

ANATOMY

Professor FERRIS, Professor HARRISON, Assistant Professor BURR, and Mr. STONE.

The required courses in anatomy extend through the first year. These are chiefly laboratory courses under the supervision of instructors, with conferences correlated with the laboratory work. Attention is given to surface form, regional and relational anatomy as well as to the structure and development of the various tissues and organs. The conferences in all the courses are informal in nature and designed to develop the power of the student in expressing his knowledge, and to broaden his views by discussions relating to the comparative and general morphology of the parts and the bearing

of recent literature. Seminar work is required. The examinations are both practical and written.

Beginning with the second year, the student may elect one or more additional courses in dissection or take any of the electives in anatomy. The electives are designed for those students wishing to become especially proficient in anatomy, or those intending later to enter the medical specialties. Qualified students are encouraged to engage in some original research.

Anatomy: 1, The Upper Extremity; 2, The Head and Neck; 3, The Thorax; 4, The Abdomen and Pelvis; 5, The Lower Extremity.

First year, fifteen hours during the year. (Lectures, 70 hrs.; Laboratory, 370 hrs.) Professor FERRIS, Assistant Professor BURR, and Mr. STONE.

Anatomy 6. Microscopic Anatomy.

First year, nine hours first term. (Lectures, 30 hrs.; Laboratory, 100 hrs.) Assistant Professor BURR and Mr. STONE.

Anatomy 7. Embryology.

First year, four hours second term. (Lectures, 15 hrs.; Laboratory, 45 hrs.) Assistant Professor BURR and Mr. STONE.

Anatomy 8. Central Nervous System.

First year, six hours third quarter. (Lectures, 16 hrs.; Laboratory, 32 hrs.) Assistant Professor BURR.

Anatomy 9. Topographic and Applied Anatomy.

First year, six hours fourth quarter. (Lectures, 6 hrs.; Laboratory, 42 hrs.) Assistant Professor BURR.

*Anatomy: *10, Nose. Assistant Professor BURR. *11, Histological Technique. Mr. STONE. *12, Eye. Mr. STONE. *13, Ear. Assistant Professor BURR.*

**14, Advanced Embryological Technique. Mr. STONE.*

Courses 10 to 14 consist largely of independent work by the student under supervision, and are designed for those wishing advanced work or as a preparation for a specialty.

**Anatomy 15. Dissection.*

Professor FERRIS, Assistant Professor BURR, and Mr. STONE.

**Anatomy 16. Research.*

Professor FERRIS, Assistant Professor BURR, and Mr. STONE.

Anatomy 17. Seminar and Journal Club.

Reports criticised and discussed. One hour for a half year. Professor FERRIS and staff.

**Anatomy 18. Morphology of Vertebrates.*

The course extends over two years. One hour. Professor HARRISON. (Zoology 45, Graduate.)

**Anatomy 19. Experimental Zoology.*

(a) Experimental Embryology. (b) Regeneration and Transplantation. Professor HARRISON. (Zoology 45, Graduate.)

PHYSIOLOGICAL CHEMISTRY

Professor MENDEL and Dr. SMITH.

These courses are given in the Sheffield Laboratory of Physiological Chemistry in the Sheffield Scientific School.

Physiological Chemistry 1. Physiological Chemistry.

First year, twelve hours first term. (Lectures, 45 hrs.; Laboratory, 135 hrs.) Professor MENDEL and Dr. SMITH.

Physiological Chemistry 2. Physiology of Nutrition.

First year, two hours second term. (Lectures, 30 hrs.) Professor MENDEL.

**Physiological Chemistry 3. Physiological Chemistry (Advanced).*

Advanced work for students who have completed Course 1; it is planned primarily for graduate students, but is open to qualified students of medicine who have permission to attend. Hours to be arranged. Professor MENDEL and Dr. SMITH.

**Physiological Chemistry 4. Seminar.*

Qualified students of medicine are admitted to these conferences intended primarily for graduate students. One meeting, two hours per week. Professor MENDEL.

PHYSIOLOGY

The instruction in this department is arranged for the second year and is given in the Laboratory for Physical and Nervous Physiology in Nathan Smith Hall. This laboratory is equipped for individual work by the student in the experimental phenomena of physical physiology. After pursuance of the regular course, students may elect advanced work and may pursue research work under the guidance of an instructor as a basis for the graduation thesis.

Physiology 1. Physical and Nervous Physiology.

Second year, two hours first term. (Lectures, 30 hrs.)

Physiology 2. Physical and Nervous Physiology.

Second year, twelve hours first term. (Laboratory, 180 hrs.)

Physiology 3. Research Work in Physical and Nervous Physiology.

Open to qualified students throughout the college year.

PATHOLOGY AND BACTERIOLOGY

Professor WINTERNITZ, Assistant Professor SMITH, Assistant Professor LAMBERT, Dr. McNAMARA, Dr. MOISE, Dr. ROBINSON, and Dr. WASON.

The Anthony N. Brady Memorial Laboratory provides facilities for instruction in bacteriology and pathology. The required course in bacteriology is given during the last half of the first year and the courses in pathology and in medical bacteriology during the first

half of the second year. Optional courses for advanced study and research are offered in both subjects to students who have had the necessary preliminary training and to graduates in medicine.

In each of the required courses emphasis is placed upon the laboratory work, which is supplemented by lectures, demonstrations, and recitations.

Pathology and Bacteriology 1. Elementary Bacteriology.

First year, seven hours second term. (Lectures, 30 hrs.; Laboratory, 90 hrs.) Assistant Professor SMITH and Dr. ROBINSON.

Pathology and Bacteriology 2. Conduct of Autopsies.

Autopsies from the New Haven Hospital are held in the Brady Laboratory. Second, Third, and Fourth year students are expected to attend. Second year students assist and are instructed in the performance of autopsies, including the preparation of a detailed record of the findings. Professor WINTERNITZ and staff.

Pathology and Bacteriology 3. Demonstration in Gross Morbid Anatomy.

Four hours first term. (Lectures, 30 hrs.; Laboratory, 30 hrs.) Professor WINTERNITZ and staff.

Pathology and Bacteriology 4. General Pathology including Gross and Microscopic Pathological Anatomy.

Second year, twelve hours first term. (Lectures, 60 hrs.; Laboratory, 120 hrs.) Professor WINTERNITZ and staff.

Pathology and Bacteriology 5. Medical Bacteriology.

This course is given in conjunction with Pathology and Bacteriology 4. Second year, six hours first term. (Lectures, 30 hrs.; Laboratory, 90 hrs.) Assistant Professor SMITH and Dr. ROBINSON.

Pathology and Bacteriology 6. Histological Technique.

Second year, two hours first term. (Laboratory, 30 hrs.) Professor WINTERNITZ and staff.

Pathology and Bacteriology 7. Recitations.

Second year, one hour first term. (Lectures, 15 hrs.) Assistant Professor LAMBERT.

Pathology and Bacteriology 8. Immunology.

Second year, five hours second term. (Lectures, 15 hrs.; Laboratory, 60 hrs.) Assistant Professor SMITH.

Pathology and Bacteriology 9. Clinical and Pathological Conference.

One hour during the year.

PHARMACOLOGY AND TOXICOLOGY

Professor UNDERHILL, Assistant Professor BARBOUR, Dr. HJORT, and Dr. RINGER.

The Department of Pharmacology and Toxicology is temporarily located in the Laboratory Building on York Street and on the third floor of the Brady Memorial Laboratory on Cedar Street. The work

in this Department is so planned that the student is required to take a general course in Pharmacology and Toxicology in order to fulfill the requirements essential for the degree of Doctor of Medicine. In addition there are offered a number of elective courses designed to furnish the student with a broad foundation in the principles of Pharmacology and Toxicology. A course in the newer methods applicable to clinical or experimental problems is also given. To the subject of the study of poisons particular attention is devoted. Special and individual attention is available for those students interested in investigation.

Pharmacology 1. Pharmacology and Toxicology.

Second year, twelve hours second term. Assistant Professor BARBOUR, Dr. HJORT, and Dr. RINGER.

**Pharmacology 2. Special Methods in Research.*

Second year, twelve hours third quarter. Professor UNDERHILL and Dr. RINGER.

**Pharmacology 3. Experimental Pharmacology.*

Second year, twelve hours fourth quarter. Professor UNDERHILL, Assistant Professor BARBOUR, Dr. HJORT and Dr. RINGER.

**Pharmacology 4. Toxicology. Chemistry of Drugs and Poisons.*

Open to all students with the proper chemical training. Twelve hours one term. Hours to be arranged. Professor UNDERHILL and Dr. RINGER.

**Pharmacology 5. Toxicology.*

One hour one term. Hours to be arranged. Professor UNDERHILL. [Omitted in 1921-22.]

**Pharmacology 6. Chemical Structure and Physiological Action.*

One hour one term. Hours to be arranged. Professor UNDERHILL. [Omitted in 1921-22.]

**Pharmacology 7. General Pharmacology.*

Two hours one term. Hours to be arranged. Assistant Professor BARBOUR. [Omitted in 1921-22.]

**Pharmacology 8. Pharmacological Seminar.*

Open to individuals with the necessary training in physiology, pharmacology, and chemistry. Two hours during the year. Professor UNDERHILL.

**Pharmacology 9. Research.*

The facilities of the Laboratory are available at all times for research purposes to those individuals with the proper fundamental training.

THERAPEUTICS

Professor OSBORNE.

A short course of recitations and instruction on prescription writing is given in the third year early in the first term.

Therapeutics 1.

Third year, three hours second term. (Lectures, 45 hrs.) Professor OSBORNE.

MEDICINE

Professor BLUMER, Professor HUME, Professor TILESTON, Assistant Professor GOMPERTZ, Assistant Professor STANDISH, Dr. COMFORT, Dr. DAYTON, and Dr. SCOTT.

The courses in medicine begin with the second term of the second year and continue until graduation. The instruction in the second year has in view the acquisition by the student of the technique of physical and laboratory diagnosis, permitting the assignment to clinical work at the beginning of the third year. During the third year the formal course in medicine is given and the student attends clinics and section work in the dispensary. During the fourth year students act as clinical clerks in the wards of the hospital.

Medicine 1. Physical Diagnosis.

Second year, six hours second term. (Lectures, 45 hrs.; Clinic, 45 hrs.) Professor TILESTON.

Medicine 2. Clinical Microscopy and Chemistry.

Second year, six hours second term. (Lectures, 45 hrs.; Laboratory, 45 hrs.) Dr. COMFORT.

Medicine 3. The Principles and Practice of Medicine.

Third year, four hours first term. (Lectures, 60 hrs.) Professor BLUMER and Professor HUME.

Medicine 4. Radiology.

Third year, one and one-half hours first term. (Lectures, 22 hrs.) Dr. SCOTT.

Medicine 5. Electrocardiography and Hemato-respiratory Methods.

Third year, one hour second term. (Lectures, 15 hrs.) Dr. SPALDING and Dr. BASKETT.

Medicine 6. Minor Diagnostic and Therapeutic Procedures.

Third year, one hour first term. (Clinic, 15 hrs.) Dr. DUFFY and Dr. DAYTON.

Medicine 7. Dispensary Section Work.

Third year, five hours during the year. (Clinic, 150 hrs.)

Medicine 8. Dispensary Clinic.

Third year, one hour first term. (Clinic, 15 hrs.) Dr. TILESTON.

Medicine 9. Dispensary Clinic.

Third year, one hour third quarter. (Clinic, 7 hrs.) Dr. GOMPERTZ.

Medicine 10. Dispensary Clinic.

Third year, one hour fourth quarter. (Clinic, 7 hrs.) Dr. STANDISH.

Medicine 11. Hospital Ward Work.

Professor BLUMER and Professor TILESTON.

SURGERY

Professor FLINT, Professor HARTSHORN, Professor VERDI, Assistant Professor COOK, Assistant Professor HARVEY, Dr. DUFFY, Dr. HIRATA, and Dr. SULLIVAN.

The facilities for instruction in Surgery, extending through the third and fourth years, consist of the Surgical Service of the New Haven Hospital, the Surgical Dispensary in the University Clinic, and the Surgical Laboratory. The Hospital service has been entirely reorganized on a full time basis with a graduated resident staff, the usual interne service, and the employment of fourth year students as clinical clerks who form a part of the intrinsic organization of the Hospital.

In the Surgical Laboratory facilities are provided for routine, research, and class instruction. There is an operating room for courses in practical operative surgery making it possible to imitate successfully on animals the conditions obtaining in a well-regulated operating room. In the research division there are a series of laboratories completely equipped for morphological, physiological, and bacteriological work upon surgical problems together with an adequate clerical and technical staff. Ample provision is made for the care, under the most humane conditions, of animals that are used in the routine and research work.

The Surgical Dispensary in the University Clinic consists of an adequate suite of rooms besides waiting rooms and the surgical amphitheatre. A new Urological Clinic has been equipped. The Surgical Dispensary has over 10,000 visits a year.

Surgery 1. Minor Surgery and Bandaging.

Second year, four hours third quarter. (Lectures, 30 hrs.) Professor HARTSHORN.

Surgery 2. General and Special Surgery.

Third year, four hours first term. (Lectures, 60 hrs.) Professor HARTSHORN and assistants.

Surgery 3. Minor Surgery Section Work.

Third year, fifty-one hours during the year. (Clinic, 51 hrs.) Professor HARTSHORN and assistants.

Surgery 4. Dispensary Clinics.

Third year, one hour during the year. (Clinic, 30 hrs.) Professor HARTSHORN.

Surgery 5. Hospital Clinic.

Third and fourth years, one hour during the year. (Clinic, 30 hrs. each year.) Professor FLINT.

Surgery 6. Ward Classes and Clinical Clerk Service.

Fourth year, eighteen hours ten weeks. (Clinic, 180 hrs.) Professor FLINT, Assistant Professor HARVEY, and Dr. DUFFY.

Surgery 7. Ward Work and Clinics.

Fourth year, twenty hours three weeks. (Clinic, 60 hrs.) Professor VERDI.

Surgery 8. Genito-Urinary Surgery.

Fourth year, one hour during the year. (Lectures, 30 hrs.) Dr. SULLIVAN.

Surgery 9. Pathological Demonstrations.

Third year, thirty-two hours. (Laboratory, 32 hrs.) Dr. DUFFY.

Surgery 10. Anesthetics.

Third year, three hours during the year. (Lectures, 3 hrs.) Assistant Professor HARVEY.

Surgery 11. Operative Surgery.

Third year, five hours during the year. (Lectures, 60 hrs.; Laboratory, 90 hrs.) Professor FLINT.

Surgery 12. Orthopedic Surgery.

Fourth year, one hour during the year. (Lectures, 30 hrs.) Assistant Professor COOK.

Surgery 13. Orthopedic Surgery Section Work.

Practical work in the Dispensary is given to members of the fourth year class. Ward rounds and operations on hospital cases occur at intervals. Assistant Professor COOK.

Surgery 14. Radiology.

Third year, one hour first term. (Lectures, 15 hrs.) Dr. SCOTT.

OBSTETRICS AND GYNECOLOGY

Professor MORSE and Assistant Professor CREADICK.

Instruction in Obstetrics and Gynecology is given during the third and fourth years. The course begins with the subject of obstetrics during the first term of the third year. The class work includes lectures, quizzes based on a standard textbook, and demonstrations on the obstetrical manikin. During the second term of the third year the subject of gynecology is taught by means of lectures, quizzes, and ward rounds. Emphasis is placed upon the study of gross and microscopic lesions of the female generative organs and particular attention is given to the diagnosis of uterine scrapings. The work of the fourth year is practical. The students act as clinical clerks in the Hospital wards, as assistants in the New Haven Dispensary, and attend the patients cared for in the Out-patient Obstetrical Department. During the past year each student has attended between fifteen and twenty confinements.

Obstetrics and Gynecology 1. Physiology and Pathology of Reproduction.

Third year, four hours first term. (Lectures, 60 hrs.) Professor MORSE.

Obstetrics and Gynecology 2. Operations with the Manikin.

Third year, two hours first term. (Lectures, 15 hrs.; Laboratory, 15 hrs.) Dr. MUSSELMAN.

Obstetrics and Gynecology 3. Ward Classes.

Third year, one hour second term. (Clinic, 15 hrs.) Dr. TYLER and Dr. MUSSELMAN.

Obstetrics and Gynecology 4. Gynecology.

Third year, one hour second term. (Lectures, 15 hrs.) Professor MORSE.

Obstetrics and Gynecology 5. Gynecological Pathology.

Third year, two hours second term. (Lectures, 15 hrs.; Laboratory, 15 hrs.) Assistant Professor CREADICK.

Obstetrics and Gynecology 6. Conferences.

Third year, two hours second term. (Clinic, 30 hrs.) Professor MORSE and Assistant Professor CREADICK.

Obstetrics and Gynecology 7. Dispensary Clinics.

Fourth year students, in sections throughout the year. Assistant Professor CREADICK, Dr. TYLER, and Dr. MUSSELMAN.

Obstetrics and Gynecology 8. Practical Instruction.

Fourth year students individually, throughout the year. The staff.

PUBLIC HEALTH

Professor WINSLOW, Dr. GREENWAY, Dr. DUBLIN, and Mr. HISCOCK.

Public Health 1. Principles of Public Health.

Fourth year, six hours first term. (Lectures, 45 hrs.; Laboratory, 45 hrs.) Professor WINSLOW.

**Public Health 2. Principles of Vital Statistics.*

Two hours a week throughout the year. Dr. DUBLIN.

**Public Health 3. Industrial Hygiene and Sanitation.*

Two hours first term. Professor WINSLOW.

**Public Health 4. The Control of Communicable Diseases.*

One hour a week second term. Dr. GREENWAY.

**Public Health 5. Public Health Administration.*

One hour a week second term. Mr. HISCOCK.

**Public Health 6. Public Health Seminar.*

Two hours a week throughout the year. Professor WINSLOW.

**Public Health 7. Research.*

Opportunities will be offered to advanced students to take up special problems in public health as voluntary research work or as the subjects for graduating theses.

PEDIATRICS

Professor PARK, Assistant Professor LINDE, Dr. DUNHAM, Dr. PORTER, and Dr. REYNOLDS.

Pediatrics 1.

Third year, three hours second term. (Lectures, 15 hrs.; Clinic, 30 hrs.) Professor PARK and staff.

Pediatrics 2. Hospital Clinic.

Third year, one hour. (Clinic, 30 hrs.) Professor PARK and staff.

Pediatrics 3. Hospital Ward Work.

Fourth year students act as clinical clerks and make daily rounds with instructors. Each section is on this service for five weeks. Professor PARK and staff.

Pediatrics 4. Dispensary Work.

The section that is assigned to Pediatrics will examine and treat patients in the Dispensary under the supervision of the staff.

NEUROLOGY

Dr. McDONALD.

Neurology 1. Clinical Neurology.

Third year, two hours second term. (Lectures, 30 hrs.) Dr. McDONALD.

Neurology 2. Dispensary Section Work.

Fourth year, thirty hours during the year. Dr. McDONALD and assistants.

PSYCHIATRY

Dr. DIEFENDORF, Dr. PROVOST, and Dr. TERHUNE.

Psychiatry 1.

Third year, two hours second term. (Lectures, 30 hrs.) Dr. DIEFENDORF.

Psychiatry 2. Dispensary Section Work.

Fourth year. (Clinic, 20 hrs.) Dr. TERHUNE.

DERMATOLOGY

Professor LANE and Professor NADLER.

Dermatology 1.

Fourth year, one hour first term. (Lectures, 15 hrs.) Professor NADLER.

Dermatology 2. Clinical Course.

Fourth year, four hours. (Clinic, 60 hrs.) Professor LANE and Professor NADLER.

OPHTHALMOLOGY

Professor ALLING, Dr. BLAKE, and Dr. YOUNG.

Ophthalmology 1. Clinical Course.

Fourth year, one hour first term. (Lectures, 15 hrs.) Professor ALLING.

Ophthalmology 2. Section Work.

Fourth year, thirty hours during the year. Professor ALLING, Dr. BLAKE, Dr. YOUNG, and Dr. YUDKIN.

OTOLOGY, RHINOLOGY, LARYNGOLOGY

Professor SPERRY, Professor SWAIN, and Assistant Professor PHILLIPS.

Otology, Rhinology, Laryngology 1. Lecture Course.

Fourth year, one hour first term. (Lectures, 15 hrs.) Professor SWAIN and Professor SPERRY.

Otology, Rhinology, Laryngology 1. Clinical Course, Section Work.

Fourth year, fifteen hours during the year. Professor SPERRY, Assistant Professor PHILLIPS, and assistants.

MEDICAL JURISPRUDENCE

Dr. SCARBROUGH and Judge WEBB.

Medical Jurisprudence 1.

Lectures or recitations from a standard textbook. Third year, one hour second term. (Lectures, 15 hrs.) Dr. SCARBROUGH and Judge WEBB.

DIVINITY SCHOOL

FACULTY†

ARTHUR TWINING HADLEY, PH.D., LL.D., President.

JAMES ROWLAND ANGELL, LITT.D., President-elect.

REV. CHARLES REYNOLDS BROWN, D.D., LL.D., Dean on the Justus S. Hotchkiss Foundation and Pastor of the University Church.

REV. HARLAN PAGE BEACH, D.D., D. Willis James Professor of the Theory and Practice of Missions, Emeritus.

REV. BENJAMIN WISNER BACON, D.D., LITT.D., LL.D., Buckingham Professor of New Testament Criticism and Interpretation.

WILLIAM BACON BAILEY, PH.D., Gilbert L. Stark Professor of Practical Philanthropy.

REV. CHARLES ALLEN DINSMORE, D.D., Lecturer on the Spiritual Interpretation of Literatures on the Mattatuck Foundation.

REV. KENNETH SCOTT LATOURETTE, PH.D., D. Willis James Professor of Missions.

REV. DOUGLAS CLYDE MACINTOSH, PH.D., Dwight Professor of Theology.

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., Winkley Professor of Biblical Theology.

E. HERSHEY SNEATH, PH.D., LL.D., Professor of the Philosophy of Religion and of Religious Education.

REV. HENRY HALLAM TWEEDY, M.A., Professor of Practical Theology.

WILLISTON WALKER, PH.D., D.D., L.H.D., Titus Street Professor of Ecclesiastical History and Provost of the University.

REV. LUTHER ALLAN WEIGLE, PH.D., D.D., Horace Bushnell Professor of Christian Nurture.

HENRY BURT WRIGHT, PH.D., Stephen Merrell Clement Professor of Christian Methods.

REV. JOHN CLARK ARCHER, M.A., B.D., Assistant Professor of Missionary Education.

REV. GEORGE DAHL, PH.D., Assistant Professor of Old Testament Literature and Director of Religious Work.

REV. GEORGE BAPTISTE HATCH, B.D., Instructor in Elocution.

† Members of the Faculty on leave of absence are so designated in Section I.

ROLAND HERBERT BANTON, B.D., Instructor in New Testament Greek and Church History.

JUDSON JACKSON MCKIM, M.A., Lecturer on Association Administration on the Samuel Thorne Foundation.

SPECIAL LECTURERS

RT. REV. CHARLES DAVID WILLIAMS, D.D., L.H.D., LL.D., Bishop of Michigan, Lyman Beecher Lecturer for 1921.

REV. WILLIAM PIERSON MERRILL, D.D., of New York City, Lyman Beecher Lecturer for 1922.

PROFESSOR GEORGE CROSS, PH.D., D.D., of Rochester Theological Seminary, Nathaniel William Taylor Lecturer for 1921.

PROFESSOR JAMES BISSETT PRATT, PH.D., of Williams College, Nathaniel William Taylor Lecturer for 1922.

REV. OSCAR EDWARD MAURER, D.D. ('06), of New Haven, Alumni Lecturer for 1921.

REV. SEELEY KELLEY TOMPKINS, D.D. ('13), of Brockton, Mass., Alumni Lecturer for 1922.

REV. STEWART MEANS, D.D., of New Haven, Lecturer on Church Polity.

DWIGHT HUNTINGTON DAY, B.A., of the Presbyterian Board of Foreign Missions, New York, Lecturer on Church Polity.

JAMES MORGAN GROVES, B.S., of New Haven, Lecturer on Industrial Service.

HAROLD ERNEST HAMILTON, B.A., of New Haven, Lecturer on Boys' Work.

HISTORY AND ORGANIZATION

INSTRUCTION in theology was contemplated as a part of the regular course in Yale University from the foundation of the institution. It was conducted for more than a century by the President and Professor of Divinity, aided to some extent by other officers. In the year 1822, a distinct Department under a separate Faculty and with separate funds was organized for this purpose, in conformity with the more extended course of instruction in theological seminaries. The degree of Bachelor of Divinity (B.D.) was first conferred in 1867.

The School bears the single name of Yale Divinity School, but the training provided is in reality that of five schools or departments: the Department of the Ministry or of Pastoral Service; of Missions or of Missionary Service; of Religious Education or of Teaching Service; of Social Service; and of the History and Philosophy of Religion.

EQUIPMENT AND BUILDINGS

See Sections III and IV of this Catalogue.

ROOMS AND EXPENSES

ASSIGNMENT OF ROOMS

The buildings are accessible on Monday of the opening week of the fall term. The suites, which include a separate bedroom, are designed, for the most part, for one occupant, but a considerable number afford accommodation for two. Questions regarding location of rooms, disposal of baggage, furniture, bedding, and the like, should be addressed to the Superintendent of the School Buildings, Mr. Ezra P. Merriam, Edwards Hall.

EXPENSES

The fixed charges for each student for the year are \$10 for the University Library fee and general administrative expenses; \$14 for the care of his room, \$10 to \$15 for the lighting of the building, and \$20 to \$30 for heating of his room (divided in case of two occupants in a single suite).

Students who do not room in the buildings will be charged \$10 (as above) for the University Library fee and general administrative expenses.

No charge is made for tuition in courses given by the Divinity School, if taken by students who are duly enrolled in the regular undergraduate classes of the Divinity School and are candidates for the degree of B.D. Courses given by other Faculties of the University, unless required as part of the curriculum for the degree of B.D., will be charged to all students of the Divinity School at the regular rates for inter-departmental exchanges established by the University. These are ordinarily \$12 a year for courses for one hour a week throughout the year, and for courses requiring less or more than one hour a week throughout the year, in the same proportion.

Undergraduate students in the Divinity School who are candidates for the degree of M.A. or Ph.D. will be required to pay a fee of \$25 in addition to the library and inter-departmental charges above described. Graduate and special students will be expected to pay a similar fee of \$25 plus the inter-departmental charges.

A charge of \$5 is made for each special examination, unless the student is excused, for good reason, from attendance on the regular examination.

A fee of \$20 is charged for a diploma.

SPECIAL ARRANGEMENTS FOR CERTAIN CONNECTICUT PASTORS, RELIGIOUS TEACHERS, AND SOCIAL WORKERS

The following groups of persons are permitted to pursue selected studies offered by the Faculty of the Divinity School upon payment of a charge of \$10 for Library and University expenses:—

1. The privilege of attendance on classes in the Divinity School is granted to pastors of churches in Connecticut in active service. By such pastors are to be understood those who are regularly in service in Connecticut, who regard Connecticut as their home, and whose connection with the School is merely incidental to their work. This privilege shall not apply to those who are in Connecticut primarily for the work of the School, even though during their School course they may be serving Connecticut churches.

2. The privilege of attendance on classes is also granted to those engaged in Connecticut in religious education or in Young Men's Christian Association work, or as paid Social Workers, provided, as in the case of pastors, that their connection with the School is merely incidental to their residence and service in Connecticut.

3. The exemptions herein granted shall apply only to attendants on classes who are not candidates for a degree nor regularly enrolled in any other School of the University.

The TREASURER'S BILLS are made out and delivered to the students twice a year, and are then payable at the Bursar's Office in Houghton Hall.

Board may be obtained at private eating-clubs and boarding houses.

A degree is withheld if bills are unpaid at the Bursar's Office.

SCHOLARSHIPS AND PRIZES

GENERAL SCHOLARSHIPS CONDITIONED ON RELIGIOUS WORK

General scholarship funds have been given to the Divinity School by various donors, to enable students of promise to prepare for Christian service, in cases where without such assistance they are unable to do so. While scholarship aid is thus a provision of assistance for the necessitous and deserving, it is the policy of the School that, as far as possible, it should be employed to advance the highest development of the recipient. The funds are used to create opportunities in New Haven and vicinity, through which training may be received. At the same time they are designed to make the student an effective force in the religious and philanthropic life of the city.

Members of the undergraduate classes who have been granted scholarship aid on previous application, will enroll themselves for scholarship employment at the beginning of the year. After personal

consultation with the Director of Religious Work, each man whose application is approved is assigned to service under one of the pastors or mission or social workers of the city. The assignment and general supervision are in charge of the Director of Religious Work. The average amount of time required is four hours per week. The award is from \$100 to \$150 per year, according to the scholarship of the candidate, payable in semi-annual installments.

Students whose circumstances do not require scholarship aid, but who desire to have the benefit of the practical training which the system gives, may volunteer for similar work, with the same privilege of mature supervision.

EDUCATION SOCIETY GRANTS

Students intending to enter the Congregational ministry may receive, if their circumstances require it, \$50 per year, as a grant or loan, from the Congregational Education Society. This aid is conditioned upon good scholarship and high general merit, and requires an examination and certificate by the local committee of the Society.

For Scholarships, Fellowships, and Prizes see Section VIII of this Catalogue.

The Yale Divinity School is a contributor to the schools of the American Institute of Archæology in Rome and in Jerusalem. No examinations for entrance or tuition fees are required of the graduates of contributing institutions. A fellowship in each school is annually assigned, on the basis of competitive examination.

GRADUATE SCHOLARSHIPS

Scholarship aid for the pursuit of fourth-year studies in the Graduate class will, at the discretion of the Faculty, be offered to such members of the Senior class of this School, and to such graduates of other theological schools, as shall, in the judgment of the Faculty, give promise of special success in advanced study. Some equivalent service is required.

PRIVILEGES

LIBRARIES

Collections in the University Library, described under Section III, which are of special interest to students in the Divinity School include: The Reference Library of the Divinity School, 13,500 volumes; the Day Missions Library, over 18,000 volumes; the Library of Social Service, 8,000 volumes; Library of Church Music, 700 volumes; the Reference Library of Biblical Literature, 1,200 volumes; the Richard S. Sneath Library of Religious Education; the Salisbury

Collection of Oriental Manuscripts, etc.; and the Henry M. Dexter Library of Congregational History.

BABYLONIAN AND PALESTINIAN COLLECTIONS

The extensive collections of the University illustrating the monuments and literature of Assyria and Babylonia, under the charge of Professor CLAY, are placed in Osborn Zoological Laboratory.

A collection of remarkable completeness illustrating the Pottery of Palestine, obtained through the generosity of the late Mrs. Francis Wayland, is placed in Room D of the Day Library, under the charge of Professor TORREY.

For further information in regard to the collections available, see Section III of this Catalogue.

LECTURESHIPS

The LYMAN BEECHER LECTURESHIP on Preaching (or other topic appropriate to the work of the ministry) was founded in 1871 as a memorial to the great divine whose name it bears. The lecturer for 1921-22 will be Rev. William Pierson Merrill, D.D., of New York City.

The NATHANIEL WILLIAM TAYLOR LECTURESHIP in Theology was created in 1902 by the gift of \$5,000 from Mrs. Rebecca Taylor Hatch, of Brooklyn, N. Y., in memory of her father, Professor of Divinity in this institution from 1822 to 1858. The lecturer for 1921-22 will be Professor James Bissett Pratt, Ph.D., of Williams College.

The ALUMNI LECTURESHIP was created in 1902 by vote of the Faculty. It provides for one or more lectures each year to be given by an alumnus in recognition of research carried by him to a successful issue. The lecturer for 1921-22 will be Rev. Seeley Kelley Tompkins, D.D. ('13), of Brockton, Mass.

PUBLIC WORSHIP

There is daily worship in Marquand Chapel at 10.00 o'clock on Tuesday, Wednesday, Thursday, and Friday.

A general devotional meeting of the Divinity School addressed by visiting clergymen of distinction, is held on the first Monday of each month in Marquand Chapel, at 11.15 o'clock.

CONVOCATION

An annual Convocation, begun in 1910, is held in connection with the Lyman Beecher and Nathaniel W. Taylor Lectures in the winter or spring, for instruction, inspiration, fellowship, and the quickening

of the religious life. To this Convocation all ministers residing in the State and all Alumni of the School are invited. The regular classroom exercises are suspended that the students may participate in these meetings. The Convocation for 1922 will take place on April 24-26.

Y. M. C. A.

See Section III of this Catalogue.

SOCIAL LIFE

The Lowell Mason Library Room, in Taylor Hall, is furnished as a Social Room, and serves as a center for the common life of the students. It contains magazines and daily papers, a piano, and other means of recreation.

CLUBS

A number of voluntary associations of instructors and students exist in the University, whose meetings for the reading and discussion of papers are open to students. Membership in these clubs is open to those who are qualified. Of special interest to students in the Divinity School are the SEMITIC AND BIBLICAL CLUB, the HORACE BUSHNELL CLUB, the CAMPBELL CLUB, the RICHARD C. MORSE CLUB, the PHILOSOPHICAL CLUB, the ECONOMICS CLUB, and the HISTORY CLUB.

Debates are held under the auspices of the LEONARD BACON DEBATING CLUB, which is designed to promote interest in important public questions and the effective discussion of them. All members of the Divinity School who are interested in public debate are eligible to membership.

For General University Privileges see Section III of this Catalogue.

CONDITIONS OF ADMISSION

The conditions of admission to the Divinity School are a liberal education at some College or University of recognized standing, or, in exceptional cases, an equivalent preparation for its studies.†

The following rules determine the admission of students to candidacy for the degree of Bachelor of Divinity:

1. Graduates of colleges of recognized standing, substantially equivalent to that of Yale, holding a bachelor's degree, are admitted without examination as candidates for the degree of B.D.

2. Applicants for admission who hold no such collegiate degree are re-

† It is strongly urged that prospective students acquire while still in college such a thorough mastery of the English Bible as shall enable them to pursue to the best advantage the more advanced courses of the theological curriculum.

quired to show by certificate or by examination† that they have received the substantial equivalent of a college training. Full statements from their instructors, showing the subjects and the range of their previous studies, will be taken into account by the Faculty in determining their fitness for admission. They will be admitted to membership in the institution without becoming at the outset candidates for the degree of B.D.

3. Such non-graduates as show superior scholarship in the actual work of the course may, at any time, by vote of the Faculty, become candidates for the degree of B.D.

APPLICATION FOR ADMISSION

Catalogues and forms of application for admission may be obtained by addressing the Dean of the Divinity School, Yale Station, New Haven, Conn.

ADMISSION TO ADVANCED STANDING

Students from theological schools whose course of study, in the judgment of the Faculty, is substantially equivalent to that of this institution, will be received *ad eundem* upon presenting regular certificates of dismission and recommendation, but none will be received to the Senior class after the opening of the first term of the Senior year.

Applicants whose previous training has been received in colleges which provide a mixed course of literary and biblical (or theological) studies, will not be received to a standing beyond that of Middle year, except upon condition of passing a satisfactory examination in the required studies of that year, or their equivalent.

GRADUATE STUDY

Those who have completed a course of three years in this or some other equivalent School may be admitted by vote of the Faculty to Graduate standing in the Divinity School. With the permission of the Faculty of the Graduate School they may also be admitted as members of the Graduate School of the University, and, in the case

† Such applicants may be examined in the following subjects:—

(1) *Latin*. Sight reading of easy prose, and the text of at least three standard authors. Three years' study of Latin would ordinarily be necessary to the passing of this examination.

(2) *English Literature*. The examination will require a good degree of familiarity with the chief English and American writers in prose and poetry. The more exact range of the examination, in any particular case, may be agreed upon between the applicant and the Faculty.

(3) *History*. A careful study of one or more historical periods.

(4) *Philosophy*. A fair knowledge of logic, psychology, ethics, and the history of philosophy.

(5) German, French, or political or social science, may be offered in addition to or, in special cases, in lieu of one or more of the above subjects.

of those who hold a bachelor's degree equivalent to that of Yale University, to the privilege of working for the degree of Master of Arts or Doctor of Philosophy. A fee of \$35 will be charged such students, who will also be liable for the inter-departmental charges described under EXPENSES.

Members of the Graduate class are required, in all ordinary cases, to take at least seven hours weekly of courses in the Divinity School and are expected to continue their studies in the Divinity School during the entire year. Those pursuing the course in the History and Philosophy of Religion ("E") are required to take at least five hours of courses in the Divinity School. Their fees and privileges in respect to rooms, on vote of the Faculty, are the same as those of the undergraduates. A limited number of scholarships are open to members of this class.

The degree of M.A. requires generally two years of residence, and that of Ph.D. a minimum of three years of residence. Both demand scholarly work of a high quality. The proposed course of study for the M.A. or Ph.D. degree must have the approval of a committee of the Graduate Faculty and be submitted to the committee not later than the 15th of October in each academic year.

COURSES FOR STUDENTS IN YALE COLLEGE

It is possible for students in Yale College to elect as part of their work for the B.A. or Ph.B. degree certain of the prescribed courses of the Junior year in the Divinity School, thereby preparing themselves to enter the Middle class on graduation from the College and thus to complete their course in the Divinity School in two years. Such students, however, are expected to maintain a high grade of scholarship. For a full outline of such courses see the Catalogue of the Divinity School.

STUDENTS PURSUING SELECTED STUDIES

The privileges of attendance at the lectures and use of the libraries of the Divinity School and University are granted, on application to the Faculty, to young men who desire to pursue special studies without class enrollment throughout the year. A fee of \$35 for Library and incidental University expenses will be charged in such cases. For certain modifications of these charges granted to Connecticut pastors, religious teachers, or paid social workers pursuing selected studies, see SPECIAL ARRANGEMENTS. Rooms will be furnished to students thus enrolled at the prices charged to occupants who are members of other Schools of the University.

DEGREES

The degree of Bachelor of Divinity is conferred by the President and Fellows of the University on all members of the School who, hav-

ing been admitted by the Faculty as candidates for this degree, satisfactorily complete one of the required courses of study and present an approved thesis on some topic related to their course of study.

Undergraduates in the Divinity School who have received the degree of B.A. or Ph.B. may become candidates for the degree of Master of Arts with the permission of the Faculty of the Graduate School and by enrollment in that School. Some of the courses in the Divinity School are reckoned also as courses in the Graduate School (for details, see the Catalogue of the Graduate School). Courses counted towards the degree of B.D. may not be counted as part of the final year's work towards the degree of M.A. Credit for not more than one year of the three years of strictly Ph.D. work may be allowed for work which has been offered towards the B.D. degree, but such credit will be given for those courses only which are distinctly graduate in method and treatment, and in which the student has maintained the standard, as to quality of work, required for credit in the Graduate School. All courses of study intended to be pursued in the Graduate School must be presented to the committee of that School, for its approval, not later than October 15 of each academic year.

The degree of Ph.D. is conferred, upon recommendation of the Faculty of the Graduate School, after not less than three years of study upon conditions defined by the various departments (Philosophy, Education, Religion, Social Science, History, Semitics, etc.) in leaflets to be obtained on application to the Dean of the Graduate School.

No degrees can be conferred until all bills due the University are paid.

LICENSE TO PREACH

Licenses to preach are granted by local and other Associations to students in the Departments of Pastoral and of Missionary Service who sustain a satisfactory examination.

GRADUATION THESIS

A graduation thesis is required of all Seniors who are candidates for the B.D. degree. It must be not less than 10,000 words in length, and must be handed in at the Dean's office in typewritten form before April 15 of the year of graduation.

THE SEVERAL DEPARTMENTS WITH THEIR COURSES OF STUDY

Believing that the interests of religion demand training for a wide variety of forms of service, the Divinity School offers courses grouped in five main departments, each having a specific type of Christian labor in view. It also desires to encourage the scholar of high promise and attainments who would make special researches in lines of study germane to any of these departments. It will, as far as possi-

ble, make individual provision for such of his needs as are not met by the courses outlined.

I. THE DEPARTMENT OF PASTORAL SERVICE, "A"

The aim of this Department is to equip men for the Christian pastorate. A curriculum of three years is provided, leading to the degree of B.D. This course may be prolonged by one or more years of graduate studies. The curriculum may be so modified by the use of elective courses of study that special emphasis may be placed on the historical, the philosophical, the educational, or the sociological aspects of Christianity, as the student may prefer. Much weight is laid on the study of the Bible, but Hebrew is not required. Careful attention is paid, in all courses, to the preparation and effective delivery of the preacher's message, and an effort is made to familiarize the student with the chief problems which he will have to meet as a pastor. A wide range of elective choices is permitted, by which the student may supplement the required work of the classroom. In particular, large opportunities are given for the acquisition of foreign languages for those who may wish to labor among our immigrant population. Those whose inclinations are philosophical, historical, or literary will also find extensive provision for their needs.

ELECTIVE COURSES

Elective courses are to be chosen by each student to complete the number of elective hours prescribed. More than the required amount may be taken if desired. These elective courses may be chosen from courses offered by the Divinity School or from those offered by the other Schools of the University. A full list of those offered by the Graduate School is to be found in the Catalogue of the Graduate School, or in a preceding section of this Catalogue.

II. THE DEPARTMENT OF MISSIONS, "B"

The aim of this Department is to equip men for missionary service, on foreign fields especially. The course of study has been planned with a due appreciation of (a) conditions prevalent on the various fields, (b) the policies of the various missionary societies, and (c) the recommendations of the Edinburgh World Conference Commission on the Preparation of Missionaries, the general and special reports issued by the Board of Missionary Preparation of the United States and Canada, and the suggestions of the Association of Institutions Engaged in Missionary Training.

The list of prescribed studies gives central place to the fundamental courses offered in the Department of Pastoral Service (A). In addition to this instruction certain missionary courses of a general

character are required. Special needs and interests of the student are provided for out of an ample store of electives.

Through his enrollment in this Department the student has access to the various resources of the School and the University. By the use of elective courses he may shape his program of study with reference to any special field or form of missionary service. The majority of prospective missionaries look forward to evangelistic work. The curriculum takes this fact into account. It offers opportunity, however, for emphasis upon Religious Education, or Social Service, or the work of the Young Men's Christian Association, or other phases of the missionary career.

The members of the Departmental faculty are men of experience in many fields, particularly in the fields in which the largest number of missionaries is laboring,—India and China, where over four-tenths of the entire missionary force are found. Professor Beach has spent an aggregate of four years in seven tours of investigation, covering practically all the non-Christian mission countries, and conferring with some two thousand missionaries of various societies and nationalities. Professor Latourette was for a time on the staff of Yali (Yale-in-China) and has intimate acquaintance with both China and Japan. Professor Archer served for a period of years as a missionary in India. War-time service recently took him again into lands of the Near East and India, and through China and Japan.

The Department is especially well provided with subsidiary means of instruction. The Day Missions Library building was built in 1912. It contains class and work rooms, a reading and reference room with some two hundred and fifty missionary periodicals, and Library Hall with the largest and most varied collection of missionary literature in any educational institution. Other resources are available within the University, such as notable collections of Orientalia, Latin Americana, etc. On the practical side, provision is made for the training of candidates in actual work among New Haven's foreign populations—an anticipation of future labor among alien races.

Yale offers to missionaries on furlough and to teachers of missions unusual opportunities for graduate study. The Department is glad to arrange for any special case, if possible, to secure access to any of the University's resources, to recommend courses of study, and to put Departmental facilities at the disposal of any who may desire them.

ELECTIVE COURSES

While exceptions will be made whenever desirable, missionary candidates will choose their elective work from courses offered under the sections headed II and III, Old and New Testament Criticism

and Interpretation; IV, Biblical Theology; V, Systematic Theology; VI, Non-Christian Religions; VII, Historical Studies; IX, Christian Association and Other Lay Service; X, Missions; XIII, Religious Education; and XIV, Languages. If special demands make a still wider choice of electives desirable, additional hours may be elected and a corresponding number may be omitted from the list of prescribed studies.

SPECIAL COURSES OF MISSIONARY TRAINING FOR SENIORS AND GRADUATES OF OTHER SCHOOLS

A special one-year course consisting of studies directly missionary and practical in character, including also non-Christian religions and additional topics demanded by the contemplated work of the candidate, is offered particularly for graduates of other theological seminaries. If Seniors in such seminaries desire to complete their course at Yale, they are permitted to take essential theological studies that are lacking, while giving most of their time to courses more directly related to their proposed work. Such students, if they take not less than seven hours a week of the studies listed under the Department of Pastoral Service, "A," will be enrolled in the Senior class and become candidates for the degree of Bachelor of Divinity.

III. THE DEPARTMENT OF RELIGIOUS EDUCATION, "C"

The Department of Religious Education aims to prepare men (1) for leadership in moral and religious education; (2) for Young Men's Christian Association leadership; (3) for intelligent leadership as Christian laymen in urban and rural communities. To this end it furnishes a thorough training in the history and essential nature of religion; in the Old and New Testament Scriptures; and in the nature, philosophy, history, organization, and practical workings of the Christian religion. The work of the three main groupings of the courses in this Department is based on a requirement of fifteen hours per week (besides Public Speaking) throughout the year. Elective studies must be chosen from a group of courses closely related in character to those prescribed. Each of the first two groups, if pursued for three years, leads to the degree of B.D. If desired a selection may be made which will lead to the degree of Ph.D. The third group is a one-year course and is intended primarily for laymen.

IV. THE DEPARTMENT OF SOCIAL SERVICE, "D"

The aim of this Department is to fit men by broad and thorough training to become leaders in social service, in particular for the industrial or city work of the Young Men's Christian Association,

for college or social settlements, boys' clubs, and the like. Such work demands not only proper ethical motive but correct economic method.

During the Junior year training is given in Economics and Sociology.

To the Middle class instruction is given concerning the great economic and social questions of this country.

During the Senior year the problem of philanthropy is studied in detail. Special courses are offered in Pauperism and Crime, and Immigration. During this year the student should make an intensive study of the work to which he intends to devote his energies.

Exceptional opportunities are offered those who wish special training in applied philanthropy. It is possible for a limited number of students to live in Lowell House, Neighborhood House, and Davenport House, social settlements situated in crowded sections of the city, largely inhabited by the foreign-born. The various charitable organizations offer excellent examples of modern methods of charity. In 1910 an investigation was made of the living conditions of a thousand negro families. During the last few years the activities and finances of the charitable associations of New Haven and the children engaged in the street trades have been studied. Investigations of this nature afford opportunity for first-hand study of social problems. There have been added over seven hundred lantern slides to illustrate lectures.

Through the generosity of the Prudential Insurance Company of Newark, N. J., an unrivalled library of 8,000 volumes has been presented to the School covering the history and operations of the State and National Boards of Charities and Correction from their organization to the present.

The theoretical work is supplemented by an annual visit of two or three days to the leading charitable and correctional institutions of New York City, under Professor Bailey's direction.

Students in these courses are expected to bear their part, with other students, in Public Speaking, and Seniors are expected to attend the courses in Religious Leadership and Christian Ethics.

V. COURSES IN THE HISTORY AND PHILOSOPHY OF RELIGION, "E"

The degrees of M.A. and Ph.D. are conferred, upon the recommendation of the Graduate School of the University, for proficiency in studies of abstract rather than applied science. Many of the Divinity School courses are included in the Graduate curriculum, and may be counted under conditions specified in the Graduate Catalogue towards either or both degrees.

Students wishing to become candidates for either the M.A. or the Ph.D. degree with Biblical Literature as the principal field of study are referred to the announcement of the Department of Semitic and Biblical Languages, Literature and History in the Catalogue of the Graduate School: those interested primarily in Church History to that of the Department of History; those interested in Religious Education to that of the Department of Education; those in the field of Historical and Contemporary Religion or the Philosophy of Religion to the announcement of the recently established Department of Religion in the Graduate School.

All candidates for these degrees must present their courses for approval to the Committee of the Graduate School not later than October 15 of each academic year. Courses counted towards the degree of B.D. may not be counted as part of the final year's work towards the degree of M.A. Credit for not more than one year of the three years of strictly Ph.D. work may be allowed for work which has been offered towards the B.D. degree, but such credit will be given for those courses only which are distinctly graduate in method and treatment, and in which the student has maintained the standard, as to quality of work, required for credit in the Graduate School.

Before registering in the department, the student will select some member of the Faculty of the Divinity School as his adviser, and consult with him, not only then, but afterwards, as occasion may arise, with reference to the work of the department.

COURSES ACCEPTED FROM STUDENTS IN YALE COLLEGE

For a list of courses accepted from students in the College anticipating part of the work in this department see the Catalogue of the Divinity School.

GENERAL DESCRIPTION OF THE COURSES OF STUDY

In indicating required courses the Department of Pastoral Service is designated as "A"; that of Missionary Service as "B"; that of Religious Education as "C"; that of Social Service as "D"; and that of the History and Philosophy of Religion as "E." Students taking courses marked with a star (*) will be obliged to pay an interdepartmental fee (see under EXPENSES), unless the course is part of the required curriculum pursued by the student for the degree of B.D.

I. PHILOSOPHY OF RELIGION AND ETHICS

Philosophy of Religion 1. The Psychology of Religion.

Required of Juniors in Department C; recommended to Juniors in A and E. Two hours. Professor SNEATH.

Philosophy of Religion 3. The Philosophy of Religion.

Required of Juniors in Departments A and C, and recommended in Department E. Two hours. Professors SNEATH and MACINTOSH.

**Philosophy of Religion 5. The Philosophy of Religion.*

Two hours. Assistant Professor BENNETT.

**Philosophy of Religion 6. Seminary in the Philosophy of Religion.*

Two hours. Assistant Professor BENNETT. [Omitted in 1921-22.]

Philosophy of Religion 8. Seminary in the Philosophy of Religion.

Two hours. Professor SNEATH and SPECIAL LECTURERS.

Philosophy of Religion 9 and 10. Religion and Contemporary Philosophy.

Recommended in Department E. Two hours. Professor MACINTOSH.

Philosophy of Religion 12. History of Ethics.

Two hours. Professor SNEATH. [Omitted in 1921-22.]

Philosophy of Religion 13. Christian Ethics.

Required of all Seniors, and recommended to Middlers in all departments.

One hour. Professors BACON, MACINTOSH, and SNEATH and SPECIAL LECTURERS.

**Philosophy of Religion 15. Ethics.*

Elective. Three hours. Assistant Professor BENNETT.

Philosophy of Religion. Ethical Seminary.

Two hours. Assistant Professor BENNETT.

II. OLD TESTAMENT CRITICISM AND INTERPRETATION

OLD TESTAMENT LITERATURE

Old Testament 1. Old Testament History and Literature.

Required of Juniors in Departments A, B, and C. Three hours. Assistant Professor DAHL.

Old Testament 3. Genesis.

One hour. Assistant Professor DAHL. [Omitted in 1921-22.]

**Old Testament 6. The Bible as Literature.*

Two hours, first term. Dean BROWN.

**Old Testament 7. The Bible as Literature.*

Two hours, second term. Professor KENT.

ORIGINAL LANGUAGES AND TEXTS

Old Testament 8. Elementary Hebrew.

Recommended to Juniors in Department A. Three hours. Assistant Professor DAHL.

Old Testament 9. Hebrew Poetry.

Two hours. Assistant Professor DAHL. [Omitted in 1921-22.]

Old Testament 10. Old Testament Quotations in the Apocrypha and New Testament.

Two hours. Assistant Professor DAHL.

Old Testament 11. *Hebrew Narrative Prose.*

Two hours, first term. Professor CLAY.

**Old Testament* 13. *Greek Old Testament.*

One hour, second term. Professor TORREY. [Omitted in 1921-22.]

Old Testament 14. *Textual Criticism of the Old Testament.*

Two hours, second term. Professor TORREY.

Old Testament 17. *Hebrew Wisdom Literature.*

Two hours. Professor KENT.

III. NEW TESTAMENT CRITICISM AND INTERPRETATION

HISTORICO-CRITICAL EXEGESIS

New Testament 1. *New Testament Literature.*

Required of Juniors in Departments A and C and Middlers in B. Two hours. Professor BACON.

New Testament 3. *Canon and Text of the New Testament.*

Recommended to Juniors in Departments A and E. One hour, second term. Professor BACON.

New Testament 6. *The Pauline Epistles.*

Required of Middlers in Department A, and recommended in Department E. Two hours, first term. Professor BACON.

New Testament 8. *The Synoptic Gospels.*

Required of Middlers in Department A, and recommended in Department E. Two hours, second term. Professor BACON.

PHILOLOGY AND TEXTUAL CRITICISM

New Testament 11. *New Testament Greek Elementary Course.*

Required in certain cases in Department A. Three hours, to count as two. Mr. BAINTON.

New Testament 13. *Patristic Greek.*

Elective for Graduate students. One hour, first term. Professor BACON.

New Testament 14. *Problems of Textual Criticism.*

Elective for Graduate students. One hour, second term. Professor BACON.

New Testament 15. *Original Semitic Gospels.*

One hour, first term. Professor TORREY. [Omitted in 1921-22.]

IV. BIBLICAL THEOLOGY

Biblical Theology 1. *Biblical Theology of the Old Testament.*

Recommended in Departments A, B, and E. Two hours. Professor PORTER.

Biblical Theology 4. *Palestinian Judaism in the time of Christ.*

Recommended in Department E. Two hours, first term. Professor PORTER.

Biblical Theology 6. *Hellenistic Judaism.*

Recommended in Department E. Two hours, first term. Professor PORTER. [Omitted in 1921-22.]

Biblical Theology 8. Biblical Theology of the New Testament.

Required of Seniors in Departments A, B, and C, and recommended in Department E. Three hours. Professor PORTER.

Biblical Theology 10. History of Biblical Conceptions.

Two hours, second term. Professor PORTER.

Biblical Theology 12. The Wisdom of Solomon.

One hour. Professor PORTER.

Biblical Theology 14. The Revelation of John.

One hour. Professor PORTER. [Omitted in 1921-22.]

Biblical Theology 20. The Christological Epistles.

Recommended in Department E. One hour, first term. Professor BACON.

Biblical Theology 22. The Teaching of Jesus.

Recommended to Seniors in Departments D and E. One hour, second term. Professor BACON.

Biblical Theology 24. The Johannine Writings.

Recommended in Department E. Two hours, second term. Professor BACON.

Biblical Theology 26. Hebrews and Catholic Epistles.

Recommended in Department E. Two hours, second term. Professor BACON. [Omitted in 1921-22.]

**Biblical Theology 30. Israel's Social Ideals and Institutions.*

Recommended to Middlers in Department D. Two hours, first term. Professor KENT.

**Biblical Theology 32. Social Teachings of Jesus and the Prophets.*

Recommended to Middlers in Department D. Two hours, second term. Professor KENT.

**Biblical Theology 34. The Founders of Christianity.*

Two hours. Professor KENT.

V. SYSTEMATIC THEOLOGY

Theology 1. Systematic Theology.

Required of Middlers in all departments; recommended to students from other institutions entering the Senior class. Three hours. Professor MACINTOSH.

Theology 3. Seminary in Theology.

One or two hours. Professor MACINTOSH.

Theology 4. Seminar in Theism.

One or two hours. Professor MACINTOSH. [Omitted in 1921-22.]

Theology 5. Contemporary Theology.

Recommended in Department E. Two hours. Professors MACINTOSH and TWEEDY.

VI. NON-CHRISTIAN RELIGIONS

**Ethnic Religions 3. Lectures on Comparative Religions.*

Recommended in Department E. One hour. Professor HOPKINS.

Ethnic Religions 6. The Religions of Asia.

*Required in Department E. One hour. Professor LATOURETTE and Assistant Professor ARCHER.

**Ethnic Religions 7. Religious History of Japan.*

Recommended in Department E. Two hours. Assistant Professor ASAKAWA.

Ethnic Religions 8. History of Japanese Buddhism.

Two hours. Assistant Professor ASAKAWA. [Omitted in 1921-22.]

Ethnic Religions 9. The Religions of India.

Two hours. Assistant Professor ARCHER.

**Ethnic Religions 11. Lectures on Hindu Theism.*

Recommended in Department E. One hour. Professor HOPKINS.

Ethnic Religions 14. The History of Islam.

Required of Seniors in Department B. Two hours. Assistant Professor ARCHER.

**Ethnic Religions 16. The Koran.*

Elective. Two hours, first term. Professor TORREY.

Ethnic Religions 18. The Religions of China.

Elective. Two hours, second term. Professor LATOURETTE. [Omitted in 1921-22.]

VII. HISTORICAL STUDIES

CHURCH HISTORY

History 1. Historical Origins of the Church.

Recommended in Department E. Two hours, first term. Professor BACON.

History 3. Church History from the Apostolic Age to the Close of the Papal Schism.

Required of Juniors in Departments A and B, and recommended in Department E. Two hours. Mr. BAINTON.

History 5. Church History from the Beginnings of the Reformation to the Present Age.

Required of Middlers in Departments A and C, and recommended in Department E. Two hours. Mr. BAINTON.

History 8. History of Christian Doctrine.

Recommended to Seniors in Departments A and E. Two hours. Professor WALKER.

History 10. Christian Literature from Clement of Rome to Eusebius.

Elective primarily for Graduates; recommended in Department E. One hour. Professor WALKER. [Omitted in 1921-22.]

History 12. The Christian Church.

One hour, second term. Professor WALKER. [Omitted in 1921-22.]

History 14. The Development of New England Religious Thought.

Recommended in Department E. One hour. Professor WALKER. [Omitted in 1921-22.]

**History 20. Ancient History.*

Three hours. Assistant Professor WILLIAMS.

HISTORY OF MISSION COUNTRIES

- *History 27. Medieval Western Asia and the Mohammedan Conquest.*
Two hours. Assistant Professor WILLIAMS.
- *History 28. Chinese Culture and Institutions.*
Recommended in Department E. Two hours. Assistant Professor WILLIAMS.
- History 29. The History of China in the Nineteenth Century.*
Two hours. Professor LATOURETTE.
- History 30. Indian History.*
Two hours. Assistant Professor ARCHER. [Omitted in 1921-22.]
- *History 34. History of Japanese Buddhism.*
Recommended in Department E. Two hours. Assistant Professor ASAKAWA.
[Omitted in 1921-22.]
- *History 36. Religious History of Japan.*
Recommended in Department E. Two hours. Assistant Professor ASAKAWA.
- *History 38. Selected Topics of East Asiatic Culture.*
A seminary course open only to specially qualified students. One hour.
Assistant Professor ASAKAWA.
- *History 40. Institutional History of Japan.*
Two hours. Assistant Professor ASAKAWA.
- *History 42. Selected Topics of East Asiatic Institutions.*
A seminary course open only to specially qualified students. One hour.
Assistant Professor ASAKAWA. [Omitted in 1921-22.]
- *History 44. Hispanic America.*
One hour. Associate Professor HARINO.

VIII. HOMILETICAL AND PASTORAL PREPARATION

- Homiletics 1. The Art of Preaching.*
Required of Juniors in Departments A and B. One hour. Dean BROWN.
- Homiletics 2. The Use of the Bible in Modern Preaching.*
One hour. Dean BROWN.
- Homiletics 3. The Care of a Parish.*
Required of Middlers in Department A, and recommended to Seniors in Department D. One hour. Dean BROWN.
- Homiletics 5. The Minister's Message.*
Required of Seniors in Departments A and B. One hour. Dean BROWN.
- Homiletics 8. Elementary Homiletics.*
Required of Middlers in Departments A and B. Two hours. Professor TWEEDY.
- Homiletics 10. Advanced Homiletics.*
Required of Seniors in Department A. One hour. Professor TWEEDY.
- Homiletics 12. Public Worship.*
Required of Seniors in Department A. One hour, first term. Professor TWEEDY.

Homiletics 14. Ministerial Esbics.

Required of Juniors and of students entering the Middle and Senior classes in Department A. One hour, second term. Professor TWEEDY.

Homiletics 16. Practical Church Music.

One hour, second term. Professor TWEEDY.

Homiletics 17. The Bible as Literature.

Two hours. Professor DINSMORE.

Homiletics 18. The Religious Content of Literature.

Two hours. Professor DINSMORE.

Homiletics 21. The Principles of Public Evangelism.

One hour. Professor WRIGHT.

Homiletics 22. The Principles of Personal Evangelism.

Required of Seniors in Department B and of Middlers in Department C, group II; recommended to Middlers in Department A. Two hours. Professor WRIGHT.

Homiletics 23. The Evangelization of Social Groups.

Required of Seniors in Department C, group II. One hour. Professor WRIGHT.

Homiletics 24. Voice Training and Vocal Expression.

Required of Juniors in Departments A and B. One hour. Mr. HATCH.

Homiletics 26. Advanced Vocal Expression and Voice Training.

Required of Middlers in Department A. One hour. Mr. HATCH.

Homiletics 28. Advanced Reading and Speaking.

Required of Seniors in Department A. Two hours to count as one hour. Mr. HATCH.

Homiletics 30. Religious Leadership.

Required of all students. One hour. Professor TWEEDY and SPECIAL LECTURERS.

Homiletics 50. Baptist Church Polity and Usages.

Required of Baptist students in Senior year. One hour, second term. Professor MACINTOSH.

Homiletics 52. The History, Polity and Usages of the Congregational Churches.

Required of Congregational students in Senior year. One hour, second term. Professor TWEEDY.

Homiletics 54. History, Polity and Usages of the Disciples of Christ.

Required of Disciples students in Senior year. One hour, second term. Assistant Professor ARCHER.

Homiletics 56. The History, Polity and Usages of the Episcopal Church.

Required of Episcopal students in Senior year. One hour, second term. Rev. STEWART MEANS.

Homiletics 58. Methodist Church Polity and Usages.

Required of Methodist students in Senior year. One hour, second term. Dean BROWN.

Homiletics 60. The Lutheran Church History, Polity and Usages.

Required of Lutheran students in Senior year. One hour, second term. Professor WEIGLE.

Homiletics 62. The History, Polity and Usages of the Presbyterian Churches.

Required of Presbyterian students in Senior year. One hour, second term.
Mr. DWIGHT H. DAY.

IX. CHRISTIAN ASSOCIATION AND OTHER LAY SERVICE

Service 2. The Young Men's Christian Association—History and Polity.

Required of Juniors in Department C, group II. One hour. Professor WRIGHT.

Service 4. Principles of Association Administration (I).

Required of Juniors in Department C, group II. Four hours to count as two hours. Mr. McKIM.

Service 6. Principles of Association Administration (II).

Required of Middlers in Department C, group II, recommended to Middlers in Department D. Four hours to count as two hours. Mr. McKIM and SPECIAL LECTURERS.

The special lecturers and their subjects are announced in the Catalogue of the School.

Service 8. Association Relationships.

Required of Seniors in Department C, group II. One hour. Professor WRIGHT.

Service 10. The Y. M. C. A. in Industry.

Required of Middlers in Department C, group II. One hour, first term. Professor WRIGHT and Mr. GROVES.

Service 12. Principles of Boys' Work.

Required of Middlers in Department C, group II. One hour, first term. Professor WRIGHT and Mr. HAMILTON.

Service 20. Methods of Work with Students.

One hour. Professor WRIGHT.

Service 22. Methods of Work with Wage Earners.

One hour. Mr. GROVES.

Service 24. Methods of Work with Boys.

One hour. Mr. HAMILTON.

Service 26. Association Educational Methods.

One hour. Mr. McKIM.

Service 30. Association Seminar.

Two hours. Professor WRIGHT.

X. MISSIONS

Missions 1. The History of the Expansion of Christianity.

Required of Juniors in Department B. Two hours. Professor LATOURETTE.

Missions 7. History of Christianity in India.

Two hours. Assistant Professor ARCHER.

Missions 10. A History of the Christian Church in China.

Two hours. Professor LATOURETTE.

Missions 14. Survey of the Foreign Missions Problem of the Church.

Required of Middlers in Departments A and C, groups I and II, and of Juniors in Department B; elective for others. One hour. Professor LATOURETTE and Assistant Professor ARCHER.

Missions 24. The Near and the Middle East as Mission Fields.

Elective. Two hours, second term. Assistant Professor ARCHER.

Missions 25. India as a Mission Field.

Elective. Two hours, second term. Assistant Professor ARCHER. [Omitted in 1921-22.]

Missions 26. The Junior Missionary.

Required of Seniors in Department B. One hour. Professor LATOURETTE and Assistant Professor ARCHER.

Missions 30. Missionary Education.

Required of Seniors in Department A. Two hours, second term. Assistant Professor ARCHER.

Missions 32. Missionary Practice.

Required of Seniors in Department B; elective for others. One hour. Assistant Professor ARCHER.

XI. SOCIOLOGICAL STUDIES

EVOLUTION AND ANTHROPOLOGY

**Sociology 1. Organic Evolution.*

Required of Middlers in Department B and recommended to Juniors in Departments A and D. Two hours. Professor LULL.

**Sociology 5. Physical Anthropology.*

Three hours, first term. Assistant Professor MACCURDY.

Sociology 7. The Natural History of Man.

Two hours. Professor FERRIS.

SOCIOLOGY

Sociology 12. Systematic Sociology.

Recommended to Juniors in Department A, and recommended in D. One hour. Professor BAILEY.

Sociology 14. Practical Sociology.

Recommended to Middlers in Department A, required in C, group II; recommended in D. Three hours. Professor BAILEY.

Sociology 16. Practical Philanthropy.

Recommended to Seniors in Departments A and D. Two hours. Professor BAILEY.

Sociology 18. Social Statistics.

Recommended to Middlers in Department D. One hour. Professor BAILEY. [Omitted in 1921-22.]

Sociology 20. Rural Sociology.

Recommended to Seniors in Department D. One hour. Professor BAILEY. [Omitted in 1921-22.]

Sociology 22. Industrial Service.

Recommended to Seniors in Department D. One hour, first term. Professor WRIGHT and Mr. GROVES.

POLITICAL SCIENCE

Sociology 25. American Polity.

Two hours. Professor ALLEN JOHNSON.

ECONOMICS

**Sociology 27. Method and Bibliography of Economics.*

Recommended to Juniors in Department D. Two hours, first term. Professor DAY.

**Sociology 30. History of Economics.*

Recommended to Middlers in Department D. Two hours. Professor DAY.

**Sociology 39. Statistics.*

Recommended to Middlers in Department D. Three hours, second term. Assistant Professor SALIERS.

**Sociology 40. Socialism and Economic Reform.*

Recommended to Seniors in Department D. Three hours, first term. Assistant Professor FURNISS.

**Sociology 42. The Labor Problem.*

Recommended to Middlers in Department D. Three hours, second term. Assistant Professor FURNISS.

Sociology 44. Labor Problems.

Recommended to Middlers in Department D. Three hours, first term. Professor BAILEY. [Omitted in 1921-22.]

Sociology 46. Immigration.

Recommended to Seniors in Department D. Three hours, second term. Professor BAILEY. [Omitted in 1921-22.]

**Sociology 48. Industrial Hygiene and Sanitation.*

Recommended to Seniors in Department D. Two hours, first term. Professor WINSLOW.

XII. PHILOSOPHY

**Philosophy 1. Platonic Idealism.*

Two hours. Professor BAKEWELL.

**Philosophy 3. Problems and Methods of Philosophy.*

Two hours. Professor BAKEWELL.

**Philosophy 5. Modern Idealism.*

Two hours. Professor BAKEWELL.

**Philosophy 7. History of Philosophy.*

Three hours. Professor BAKEWELL and Assistant Professor BENNETT.

**Philosophy 9. Metaphysics.*

Two hours, first term. Professor DUNCAN.

**Philosophy 10. Epistemology.*

Two hours, first term. Professor DUNCAN. [Omitted in 1921-22.]

- **Philosophy 12. Philosophy of Mind.*
Two hours, second term. Professor DUNCAN.
- **Philosophy 13. Principles of Logic.*
Two hours, second term. Professor DUNCAN. [Omitted in 1921-22.]
- **Philosophy 16. Philosophy of the State.*
Three hours. Professor SHELDON.
- Philosophy 17. Philosophy of Nature.*
Three hours. Professor SHELDON.
- Philosophy 18. Metaphysical Seminary.*
Two hours. Professor SHELDON.
- **Philosophy 19. Modern Philosophical Systems.*
Elective. Three hours, first term. Professor DUNCAN.
- **Philosophy 22. Psychological Theory and Methods.*
Two hours. Professor ANGLIER and Dr. ANDERSON. [Omitted in 1921-22.]
- Philosophy 23. Physiological Psychology.*
Two hours. Dr. ANDERSON and Dr. BAGBY.
- **Philosophy 24. Advanced Laboratory Psychology.*
Five hours, to count as three hours. Dr. ANDERSON.
- **Philosophy 26. Experimental Psychology.*
Three hours, to count as two hours. Dr. ROGERS.
- **Philosophy 28. Psychology of Instinct and Emotion.*
Three hours, one term. Dr. BAGBY.
- **Philosophy 30. Dynamic Psychology.*
Three hours, one term. Dr. ANDERSON.
- **Philosophy 32. Social Psychology.*
Three hours, second term. Dr. ELLIOTT.
- **Philosophy 34. Social Psychology.*
Two hours. Dr. BAGBY.
- **Philosophy 36. Vocational Psychology.*
Three hours, one term. Mr. ROGERS.
- **Philosophy 37. Psychology of Advertising.*
Three hours, one term. Mr. ROGERS.

XIII. RELIGIOUS EDUCATION

GENERAL PEDAGOGY

- **Education 1. Educational Principles and Problems.*
Required of Juniors in Department C, group I. Two hours. Professor GESELL.
- **Education 2. Educational Organization and Administration.*
Three hours. Professor SPAULDING.
- **Education 3. Problems in School Administration.*
Two hours. Professor SPAULDING.
- **Education 4. Educational Organization and Supervision.*
One hour. Professor SPAULDING.

- **Education 5. American Education.*
Three hours, second term. Professor SPAULDING.
- **Education 6. Organization and Administration of Secondary Education.*
Three hours. Associate Professor COUNTS.
- **Education 7. Supervision of Secondary Education.*
One hour. Associate Professor COUNTS.
- **Education 8. Secondary School Curriculum.*
One hour. Associate Professor COUNTS.
- **Education 9. Elementary Education.*
Three hours. Assistant Professor BRYCE.
- **Education 10. Elementary School Supervision.*
One hour. Assistant Professor BRYCE.
- **Education 11. Teaching of the Language Arts.*
One hour. Assistant Professor BRYCE.
- **Education 12. Mental Hygiene of the School Child.*
One hour. Professor GESELL.
- **Education 13. Hygiene of the Pre-School Child.*
One hour. Professor GESELL.
- **Education 15. Principles of Teaching.*
One hour. Associate Professor CHAPMAN.
- **Education 16. Educational Psychology (Descriptive).*
Two hours, first term. Associate Professor CHAPMAN.
- **Education 17. Educational Psychology (Quantitative).*
Two hours, second term. Associate Professor CHAPMAN.
- **Education 18. Educational Statistics.*
Two hours, second term. Associate Professor CHAPMAN.
- **Education 19. Educational Measurements.*
Two hours, first term. Associate Professor CHAPMAN.

RELIGIOUS PEDAGOGY

- Education 23. The Psychology of Religion.*
Recommended to Juniors in Departments A and E, required of Juniors in Department C, and recommended in Department E. Two hours. Professor SNEATH.
- Education 25. Psychological Principles of Moral and Religious Education in Childhood.*
Required of Seniors in Department C, group I. Two hours, first term. Professor SNEATH.
- Education 26. Psychological Principles of Moral and Religious Education in Adolescence.*
Required of Seniors in Department C, group I. Two hours, second term. Professor SNEATH.
- Education 28. The Theory of Religious Education.*
Required of Juniors in Departments B and C, and recommended to Juniors in Department A. Two hours. Professor WEIGLE.

Education 29. The History of Religious Education.

Required of Seniors in Department C, group I. Two hours. Professor WEIGLE.

Education 30. Religious Education Seminar.

Two hours. Professor WEIGLE.

Education 32. Organizations for Men and Boys.

One hour, first term. Professor WRIGHT and Mr. HAMILTON.

Education 33. The Men's Club in the Church.

One hour, second term. Professor WRIGHT.

Education 34. The Leadership of Voluntary Discussion Groups.

Required of Seniors in Department C, group II. Two hours. Professor WRIGHT.

Education 36. The Teaching of the Bible in the Curriculum.

Required of Middlers in Department C, group III. One hour. Assistant Professor DAHL.

Education 38. The Organization of Religious Education.

Required of Middlers in Department C, recommended to Seniors in Department A. Two hours. Professor WEIGLE.

Education 40. The Materials of Religious Education.

Recommended to Seniors in Department C. Two hours, second term. Professor WEIGLE. [Omitted in 1921-22.]

Education 42. Methods of Religious Education.

Recommended to Seniors in Department C. Two hours, first term. Professor WEIGLE.

**Education 44. Analysis and Educational Use of Biblical Material.*

Two hours, second term. Professor KENT.

Education 46. Educational Aspects of Worship.

Two hours, second term. Professor WEIGLE.

XIV. LANGUAGES

All courses are electives. Admission is granted on permission of the instructor in each course, the student's fitness to profit by the work being necessarily a prime factor in the decision. For an outline of these courses, embracing Arabic, Aramaic, Assyrian, Syriac, German, Norwegian, Swedish, French, Italian, Spanish, Portuguese, Russian, Chinese, Japanese, and Sanskrit, see the Catalogue of the Divinity School:

XVI. LAW

**Law 1. Constitutional Law.*

Recommended to Juniors in Department D. Two hours. Professor TAFT.

**Law 3. Criminal Law.*

Three hours, second term. Dean SWAN.

**Law 5. Contracts.*

Four hours. Professor CORBIN.

**Law 7. Domestic Relations and the Law of Persons.*

Two hours. Professor THURSTON.

XVII. HYGIENE AND PHYSICAL CULTURE

**Hygiene 1. Work and Training in Gymnasium.*

By arrangement with the Director.

Hygiene 3. First Aid to the Injured.

By special arrangement.

**Hygiene 7. Bacteriology (Shorter Course).*

Recommended to Middlers in Department D. Six hours. Professor RETTOER.

**Hygiene 9. Principles of Public Health.*

Recommended to Juniors in Department D. Six hours, first term. Professor WINSLOW.

**Hygiene 11. Public Health Administration.*

Recommended to Middlers in Department D. Six hours, second term. Professor WINSLOW.

XVIII. MUSIC

**Music 1. Harmony.*

Two hours. Mr. BAUMGARTNER.

**Music 3. Counterpoint.*

Two hours. Mr. BAUMGARTNER.

**Music 6. History of Music.*

Two hours. Mr. SIMONDS.

Music 10. Practical Church Music.

One hour, second term. Professor TWEEDY.

XIX. GENERAL UNIVERSITY ELECTIVES

See Graduate School Catalogue for a full statement. All are available for competent students in the Divinity School.

EXERCISES IN PUBLIC SPEAKING

A School Assembly for all the classes, at which all undergraduate students are expected to be present, is held every Monday, in Marquand Chapel, in the presence of the Faculty, and under their direction. Addresses by tried religious and social workers are delivered, followed by discussion. There are also exercises designed for the cultivation of the power of the students in extemporaneous speaking, as well as for the discussion of subjects of practical importance.

SCHOOL OF LAW

FACULTY

ARTHUR TWINING HADLEY, Ph.D., LL.D., President.

JAMES ROWLAND ANGELL, Litt.D., President-elect.

THOMAS WALTER SWAN, LL.B., M.A., Dean, and Lines Professor of Testamentary Law.

SIMEON EBEN BALDWIN, LL.D., Professor of Law, Emeritus.

THEODORE SALISBURY WOOLSEY, LL.D., Professor of International Law, Emeritus.

JOHN WURTS, M.A., LL.M., LaFayette S. Foster Professor of the English Common Law, Emeritus.

HERSCHEL WHITFIELD ARANT, LL.B., M.A., Assistant Professor of Law.

JOHN KIMBERLY BEACH, LL.D., Edward J. Phelps Professor of Mercantile Law and Admiralty Jurisprudence.

EDWIN MONTEFIORE BORCHARD, LL.B., Ph.D., Professor of Law and Law Librarian.

CHARLES EDWARD CLARK, B.A., LL.B., Assistant Professor of Law.

ARTHUR LINTON CORBIN, LL.B., M.A., Justus S. Hotchkiss Professor of Law.

EDWIN BAKER GAGER, M.A., Professor of General Jurisprudence.

ERNEST GUSTAV LORENZEN, LL.B., J.U.D., Professor of Law.

EDMUND MORRIS MORGAN, LL.B., M.A., Professor of Law.

WILLIAM HOWARD TAFT, D.C.L., LL.D., Professor of Constitutional Law.

EDWARD SAMPSON THURSTON, B.A., LL.B., Professor of Law.

WILLIAM REYNOLDS VANCE, LL.B., Ph.D., Professor of Law.

GEORGE EDWARD WOODBINE, LL.B., Ph.D., Assistant Professor of Law.

CYRUS LARUE MUNSON, LL.B., M.A., Special Lecturer on General Legal Practice.

JAMES HENRY WEBB, LL.B., Special Lecturer on Legal Medicine.

ORGANIZATION, ENDOWMENT, AND EQUIPMENT

IN the first decade of the nineteenth century, Seth P. Staples (B.A. 1797) opened a school for law students in New Haven. This school was the lineal predecessor of the present Yale School of Law, a list of its law students appearing in the Yale Catalogue for 1824. The Yale School of Law has been conducted without interruption since that time. Degrees in law were first conferred in 1843. From the founding of the School down to 1896, the law course was one of two years, and it was then extended to three years. Subsequently a college degree was made a prerequisite to obtain a degree in law. Students who have completed three years of college work may, however, be admitted to the four year law course. The graduate curriculum, leading to an advanced degree, was established in 1876. The Yale School of Law was the first law school in America or England to establish a course of study leading to the degree of Doctor of Civil Law.

PURPOSE AND METHOD OF INSTRUCTION

It is the aim of the School to give all students in the regular professional curriculum adequate preparation for the practice of law in any state, and also, by the encouragement of scholarship and research, to lay a foundation for the profession of law teaching and for legal authorship.

The method of instruction is that commonly called the "case method." By the study, comparison, and discussion of selected cases the principles of law are developed with reference both to their historical growth and to their practical applications. Emphasis is placed upon training the student in methods of legal analysis and inculcating habits of accurate reasoning in the solution of concrete problems. At the same time effort is made to impart a thorough knowledge of the law as it actually exists. All courses, after those of the first year, are elective, except Legal Ethics, which is required.

The graduate courses offer to those who have already obtained a law degree an opportunity for additional study in the professional curriculum and for advanced work in Jurisprudence, Roman Law, Comparative Law, and related subjects. For such work higher law degrees are conferred.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

Within three minutes walk of Hendrie Hall are located both the Federal Court House and the New Haven County Court House, where sessions of the Supreme court as well as of the lower courts of the State are held, thus affording students at the School an unusually convenient opportunity of observing the actual operations of the courts.

LAW LIBRARY

The LAW LIBRARY contains more than 60,000 volumes and some 15,000 pamphlets and dissertations for the doctorate. It includes a practically complete collection of the statutes and law reports of the United States and Great Britain, together with an extensive collection of the more important encyclopedias, treatises, periodicals, and related materials.

The shelves are open to the students. Inasmuch as the Law Library is the lawyer's laboratory, every student is required to take the Introductory Course which includes practical instruction in the use of the Library and is designed to familiarize the student with the tools of his profession and to give him skill in legal research and the preparation of briefs.

The Library contains a number of unique and valuable special collections worthy of note. The Albert Sproull Wheeler Library of Roman Law and Modern Civil Law now contains over 18,000 volumes. Substantial appropriations of funds have recently been made to extend its size and usefulness. The collection of British colonial law is one of the largest in the United States. These collections and the special library of international law constitute an important laboratory for graduate students.

The Library possesses the Cole Collection of American state statutes and session laws, numbering some 5,000 volumes. This collection is one of the best of its kind in the country.

The Library also includes the FRANCIS D. HURTT COLLECTION of Treatises on English and American Law, this being the gift of the one whose name it bears. This collection, established in 1914, will be increased from year to year.

The ENGLISH FUND of \$10,000 for the support of the Library was established in 1873 by Hon. James E. English, M.A.

The IVES FUND of \$5,000 for a like purpose was provided in 1908 by Mrs. Mary E. Ives.

The Library is open daily, except Sunday, from 8.00 A. M. to 10.00 P. M.; on Sunday from 2.00 to 6.00 P. M.

TUITION

The annual charge for tuition and use of the Law and University Libraries for students entering the School is \$200, one half payable at the beginning of each semester at the University Bursar's office in Haughton Hall. Delay of more than ten days in payment of any moneys due the University renders the delinquent liable to suspension of his enrollment. Enrollment suspended can be restored only upon payment of a fee of \$5. Drafts on New York, Chicago, Philadelphia, and Boston are received at par.

The tuition charge for the summer session of 1921 is \$65, one half payable at the beginning of each term.

Graduation Fee. An additional charge of \$20 is made for graduation, and is included in the last bill of the final year.

DORMITORIES

Certain University Dormitories are open to students enrolled in the School of Law, preference in the assignment of rooms being given in order of application. Inquiries concerning such rooms and applications therefor should be addressed to the Registrar, Yale School of Law, New Haven, Conn. A limited number of students enrolled in the School of Law may also obtain rooms in Edwards Hall and Taylor Hall. Correspondence concerning such rooms should be addressed to the Superintendent of the Buildings of the Divinity School, Yale University.

SCHOLARSHIPS AND PRIZES

A limited number of tuition scholarships are available for graduates of American universities and colleges who are in need of such assistance. Applicants for these scholarships must have made excellent records in their collegiate work and must give unusual promise of succeeding in law study. Certain scholarships are also available for advanced and graduate students of high rank who are in need of such assistance.

For Fellowships, Scholarships, and Prizes, see Section VIII of this Catalogue.

PRIVILEGES

For General University Privileges see Section III of this Catalogue.

REQUIREMENTS FOR ADMISSION

CANDIDATES FOR DEGREE OF LL.B.

Admission to the professional curriculum in law leading to the degree of Bachelor of Laws is granted without examination to the following persons:

1. Graduates (both men and women) of colleges and scientific schools of approved standing.†
2. Seniors in Yale College (taking the combined course).‡

Students in Yale College may so combine their work in that Department with the work of the School of Law as to obtain the college degree and the law degree in a total of six years. To do this they must elect in their Senior year not less than ten hours per week of classroom work in the School of Law, such work counting both toward the college degree and toward the law degree. They may elect additional law courses if they have completed more than forty-five hours of college courses prior to Senior year. Such additional law work may not exceed the number of college hours accumulated in excess of the required forty-five, and such additional law courses will count toward the LL.B. degree only.

CANDIDATES FOR DEGREE OF JUR.D. OR D.C.L.

Admission to the graduate curriculum in law leading, after one year of advanced study, either to the degree of Juris Doctor (Jur.D.) and, after two years of advanced study, to the degree of Doctor of Civil Law (D.C.L.), is without examination, to persons holding a degree from an approved college or scientific school and also a degree from a law school belonging to the Association of American Law Schools.

Persons who have successfully completed three years of work at an approved college are eligible for admission without examination to the four year course in law leading to the degree of Jur.D.

SUMMER SESSION

Persons who fulfill the requirements for admission as candidates for any of the degrees offered by this School of Law are eligible for admission to the Summer Session.

The purpose of summer sessions is to serve two classes of students:

† Graduates who wish to know whether the degree of their college or scientific school will be recognized for admission are advised to communicate with the Dean of the Yale School of Law, Hendrie Hall, New Haven, Conn.

‡ Students who do not enter Yale College earlier than the beginning of Senior year are not permitted by the College to elect courses in law.

1. Those who by attending three such sessions desire to save an academic year in the completion of their course, and

2. Those who desire to study certain subjects which they have not been able to elect during the regular terms.

The summer session extends for a period of ten weeks and is divided into two terms of five weeks each. The work is so arranged that a student may complete subjects amounting to one third of the work of a regular academic year by attending the entire session or may attend either term and complete certain courses offered during that term. For the subjects offered see p. 403.

ADMISSION WITH ADVANCED STANDING

In the case of persons meeting the admission requirements for the degree in law, credit may be granted without examination for one or more years' study pursued in a law school belonging to the Association of American Law Schools, or in another law school on the following terms:

1. If the work was done in a school which is a member of the Association of American Law Schools, credit may be given on the presentation of a certificate showing that the courses for which credit is asked have been passed with an average grade of ten per cent above the passing mark of such school, or the presentation of a certificate from the Dean of such school which, in the opinion of the Dean of the Yale School of Law, is substantially equivalent thereto; provided, however, that the Dean in his discretion may require an examination in any case.

2. If the work was done in a school which is not a member of the Association of American Law Schools, credit will be given in exceptional cases only and in no case to a greater extent than one year's work; such credit will be given only after thorough written examinations in the first year courses in Contracts, Torts, and Real and Personal Property, or, in case any one of these subjects has not been covered, then in some other fundamental first year subject; no candidate for admission under the terms of this paragraph shall be eligible to these examinations for advanced standing without first presenting a certificate from the Dean of the school which has been attended, showing that the courses for which credit is asked have been passed with an average grade of ten per cent above the passing mark of such school.

REQUIREMENTS FOR DEGREES

GENERAL REGULATIONS

The law degrees are conferred at the Commencement of the University, which is held on next to the last Wednesday in June. The rules relating to degrees are as follows:

1. Degrees are granted by the Corporation of Yale University to those persons who have completed the course of law study, with the requirements prescribed, and been recommended by the Faculty of the School.

2. No student may be a candidate for a degree on less than a full year of residence and study, or on less than a complete year's work.

3. Any student who has not complied with the requirements for a degree before the end of his course in the School of Law may be recommended for his degree in the following year when all his deficiencies are made up.

4. Candidates for degrees are required to be present in person at Commencement.

5. In cases of special merit the degrees of LL.B. and Jur.D. may be awarded *cum laude*, *magna cum laude*, and *summa cum laude*.

DEGREE OF BACHELOR OF LAWS (LL.B.)

To receive the degree of Bachelor of Laws, it is necessary for candidates to obtain credit, with a weighted average of ten per cent above the passing mark, for the entire work of the first year and forty-eight units† of second and third year work, and in addition the required course on Legal Ethics.

DEGREE OF JURIS DOCTOR (JUR.D.)

The degree of Juris Doctor is offered to two classes of candidates:

(1) Persons holding the degree of Bachelor of Laws from an accredited institution and who otherwise fulfill all of the entrance requirements of the School of Law will be given the degree of Juris Doctor upon obtaining credit, with a weighted average of ten per cent above the passing mark, in courses aggregating twenty-four units.† The courses must be chosen with the approval of the Faculty, and must in normal cases include at least 10 units of work listed in the graduate curriculum.

(2) Persons who have completed with credit at least three years of work in an approved college or scientific school will be admitted to the four year law course, and will be entitled to the degree of Juris Doctor upon obtaining credit, with a weighted average of ten per cent above the passing mark, in courses aggregating seventy-two units in addition to the entire work of the first year and the required course on Legal Ethics. See page 401 for a statement of the requirements of the four year course.

No thesis is required for this degree; but at the option of the student one may be offered as the equivalent of two units of work in course. The subject of such a thesis should be submitted in advance to the Dean for his approval.

DEGREE OF DOCTOR OF CIVIL LAW (D.C.L.)

To receive the degree of Doctor of Civil Law, it is necessary for candidates to receive credit with distinction for two years of graduate study in law after receiving the degree of Bachelor of Laws or for one year after receiving the degree of Master of Laws or Juris Doctor. Credit for not more than one year of such study may by special vote of the Faculty be given for graduate work pursued at a

† A unit is one hour of classroom work per week throughout one term.

law school of approved standing. By special vote of the Faculty an experienced teacher in an approved law school may be permitted to qualify for this degree in one year. Candidates must also present a satisfactory thesis evidencing original research and constituting a genuine contribution to legal scholarship.

CERTIFICATE OF ATTENDANCE

Any student may, on application to the Secretary of the Faculty, receive a certificate stating the period of his attendance and the subjects of study in which he has received credit.

COURSES OF INSTRUCTION

REGISTRATION

Students already enrolled in the School and applicants for admission should register in person at the Registrar's office in Hendrie Hall on or before September 29, 1921. No one will be permitted to register after October 15, without the written permission of the Dean. At the time of registering an applicant must present at the Registrar's office, on a blank which will be furnished for that purpose, formal application for admission accompanied by his diploma or certificate of graduation.

ATTENDANCE

Work in this School cannot be done *in absentia*, nor can it be satisfactorily pursued by students who are irregular in their attendance. Academic standing will be forfeited and registration canceled whenever a student becomes so irregular in attendance as to satisfy the Faculty that it is unwise for him to continue. All students are admitted subject to the statutes and rules of the University in regard to discipline.

EXAMINATIONS

The normal requirements are as follows: in the first year the work is prescribed; in each of the second, third, and fourth years the student must elect 24 units, also in one of those years the subject of Legal Ethics. A unit is one hour per week for one term.

A failure in any course may be made up only by repeating the course and passing the examination therein, except that a failure in an *elective* course may, at the student's option, be made up by securing credit in a like number of units in any other elective course. [Note: the term "failure" in any course means absence from the examination without excuse or the receiving on examination a grade lower than D (or 55).]

If a student elects to make up a failure by repeating the course in which he has failed, the number of units of new subjects which he may elect shall be reduced by one-half the number of units normally allotted to the failed course.

No student may take for credit in any one year more than the normal number of units, except that for the purpose of making up deficiencies he may take for credit not more than 4 extra units. With the permission of the Dean any student may attend courses not for credit and without the privilege of examination.

Failure in courses amounting to one-half of the units taken for credit during any entire year renders a student ineligible for readmission to the School, unless the Faculty shall, on petition, readmit him.

A student's name will not be entered in the class-list of the next higher class if he lacks credit in more than 8 units of work taken for credit in any one year, nor may he be registered as a member of the third year class until he has received credit in all first year courses.

For graduation a student shall be required to attain a weighted average of 65 for his entire work in the School. A student who has received a passing grade in a subject but who desires to raise his mark shall be permitted to take the next regular examination in the subject concerned. His final mark shall be the one received in the second examination.

Special examinations are not ordinarily given. In rare instances they may be permitted, but only upon special vote of the Faculty, and upon payment of a fee of \$5 and any incidental expenses that may be involved.

PROFESSIONAL CURRICULUM

The courses are of general application, being intended to afford adequate preparation for practice in any English-speaking jurisdiction.

The program of instruction is designed to occupy three full years in the case of candidates for the LL.B. degree, and four full years in the case of candidates for the Jur.D. degree. The work of the First Year is prescribed. The work of the Second and Third years is elective. Students are required to elect courses averaging 24 units† for each of these years, and in addition to complete the required course of Legal Ethics. The courses elected in each year should ordinarily be chosen from those grouped under the heading for such year. Students may, however, elect a limited amount of work from courses not grouped under the program for their year.

† A unit is one hour of classroom work per week throughout one term.

The election of courses by any student is in every case subject to the approval of the Dean.

No student is allowed to elect courses aggregating more than 14 units per semester, except by permission of the Faculty.

Academic Seniors electing law courses must include in their election the Introductory Course. They may elect Equity I only in case they are also taking Contracts, Property I, and Torts. They may elect Agency only in case they are also taking Contracts and Torts.

FIRST YEAR

Introductory Course.

Two hours first term. Professors BORCHARD, CORBIN, MORGAN.

Agency.

Three hours second term. Professor MORGAN.

Contracts.

Four hours first term, three hours second term. Professor CORBIN.

Criminal Law.

Three hours first term. Professor SWAN.

Equity I.

Two hours second term. Assistant Professor ARANT.

Property I.

Two hours each term. Professor VANCE.

Torts.

Three hours each term. Professor THURSTON.

SECOND YEAR

Code Pleading.

Two hours second term. Assistant Professor CLARK.

Common Law Pleading.

Three hours first term. Assistant Professor CLARK.

Damages.

Two hours first term. Assistant Professor CLARK.

Equity II.

Two hours each term. Professors THURSTON and LORENZEN.

Evidence.

Two hours each term. Professor MORGAN.

Insurance.

Two hours first term. Professor VANCE.

Negotiable Instruments.

Three hours first term. Assistant Professor ARANT.

Persons.

Two hours first term. Assistant Professor ARANT.

Property II.

Three hours first term. Professor VANCE.

Public Service Law.

Three hours second term. Professor BORCHARD.

Quasi-Contracts.

Two hours first term. Professor CORBIN.

Sales.

Three hours second term. Assistant Professor ARANT.

Testamentary Law.

Three hours second term. Assistant Professor CLARK.

THIRD YEAR

Administrative Law and Public Officers.

Three hours first term. Professor BORCHARD.

Admiralty.

Two hours second term. Professor BEACH.

Bankruptcy.

Two hours second term. Professor SWAN.

Conflict of Laws.

Two hours each term. Professor LORENZEN.

Constitutional Law.

Two hours each term. Professor TAFT.

Court Practice.

Two hours each term. Professor MORGAN.

Equity III.

Two hours first term. Assistant Professor ARANT.

International Law.

Two hours each term. Professor BORCHARD.

Jurisprudence.

Two hours second term. Professor GAGER.

Legal Esticks.

Required as a prerequisite to graduation. Two hours first term. Professor BEACH.

Legal History.

Two hours first term. Professor GAGER.

Mining and Irrigation Law.

Two hours second term. Professor CORBIN.

Mortgages.

One hour each term. Professor GAGER.

Municipal Corporations.

[Omitted in 1921-22.]

Office Practice.

Two hours second term. Assistant Professor CLARK.

Partnership.

Two hours second term. Professor SWAN.

Patents and Copyrights.

Professor BEACH. [Omitted in 1921-22.]

Private Corporations.

Two hours each term. Professor SWAN.

Property III.

Three hours second term. Professor VANCE.

Roman Law and Modern Developments.

Two hours each term. Professor LORENZEN.

Suretyship.

Two hours second term. Professor CORBIN.

Trusts.

Two hours each term. Professor THURSTON.

SPECIAL COURSES FOR CONNECTICUT AND NEW YORK

Connecticut Law.

Two hours second term. Professor BEACH.

Connecticut Practice.

Two hours first term. Professor BEACH.

New York Practice.

Two hours. Professor MORGAN. [Omitted in 1921-22.]

New York Trusts and Perpetuities.

[Omitted in 1921-22.]

FOUR YEAR COURSE

Students who have successfully completed three years of work at an approved college are eligible for admission without examination to a four-year course in law leading to the degree of Juris Doctor (Jur.D.). The purpose of this course is to afford an opportunity for more thoroughly covering the professional curriculum and also for making a more critical study of law in its broader aspects, without increasing the amount of time spent on education. It is believed that this subdivision of the student's time will sacrifice nothing in the matter of cultural development and will add appreciably to his success and usefulness as a lawyer and member of society. By devoting four years to law it is possible to do work in History of Law, Analytical and Sociological Jurisprudence, International Law, and Roman and Comparative Law. The work of the four-year course for the first two years is the same as that of the first two years in the three-year course. In the third year, students in this course are required to elect at least 6 units from the Graduate Curriculum (the third-year courses in Jurisprudence and Legal History also counting for this purpose), and in the fourth year to elect at least 8 units from the Graduate Curriculum. Persons taking this course must take the prescribed first-year work and must elect courses averaging 24 units† for each of the other three years, in addition

† A unit is one hour of classroom work per week throughout one term.

to the prescribed course on Legal Ethics. The election of courses is in all cases subject to the approval of the Dean.

Students entering this course without a college degree will not be eligible to the degree of LL.B. at the end of three years. In some cases it may be possible for a student to induce his college to recognize work done in this course as the equivalent of a fourth college year and to grant him a bachelor's degree in arts, science, or letters.

GRADUATE CURRICULUM

The graduate curriculum is designed to afford the advanced student an opportunity for the study of Jurisprudence, Legal History, Comparative Law, Roman Law, and related subjects. Graduate students are also allowed, with the approval of the Dean, to elect certain courses listed in the professional curriculum and courses offered in other departments of the University. Special investigation, for which proper credit will be given toward a graduate degree, in subjects covered by the professional curriculum, may be done under Faculty supervision.

Administrative Law and Public Officers.

Three hours first term. Professor BORCHARD.

Code Napoleon.‡

Two hours first term. Professor LORENZEN.

Comparative Conflict of Laws.‡

Two hours first term. Professor LORENZEN.

Comparative Commercial Law.‡

Two hours each term. Professor BORCHARD.

Early English Legal Literature.

Two hours each term. Assistant Professor WOODBINE.

International Law.†

Two hours each term. Professor BORCHARD.

Jurisprudence.†

Two hours second term. Professor GAGER.

Latin-American Law.‡

Two hours second term. Professor LORENZEN.

Legal History.†

Two hours first term. Professor GAGER.

Roman Law and Modern Developments.†‡

Two hours each term. Professor LORENZEN.

Seminar in Roman and Comparative Law.‡

Two hours second term. Professor LORENZEN.

† This course is open to Third Year students.

‡ Admission to this course only upon conference with the instructor.

SUMMER SESSION, 1921

A student may elect each term courses aggregating 4 units of credit. This will give him twelve hours of classroom exercises per week. No partial credit will be given in the courses which continue through both terms. The subjects of study will probably be those listed below, but it is possible that changes will be made to meet the needs of students who enroll in the summer session.

FIRST TERM, JUNE 23 TO JULY 27

Criminal Law.†

Six hours. Assistant Professor ARANT.

Property I.†

Six hours. Assistant Professor CLARK.

Constitutional Law.

Six hours.

Evidence.‡

Six hours. Professor MORGAN.

Bankruptcy.

Six hours. Professor SWAN.

Quasi-Contracts.

Six hours. Professor THURSTON.

SECOND TERM, JULY 28 TO SEPTEMBER 1

Criminal Law (continued).

Six hours. Assistant Professor ARANT.

Property I (continued).

Six hours. Assistant Professor CLARK.

Constitutional Law (continued).

Six hours.

Evidence (continued).

Six hours. Professor MORGAN.

Mortgages.

Six hours. Professor THURSTON.

Partnership.

Six hours.

Beginning students who obtain credit in Criminal Law and Property I during the summer should take Property II, Persons, and Sales in substitution therefor during the following year.

In the 1922 summer session it is contemplated that the courses to

† This course must be taken by a student beginning the study of law in the summer.

‡ This course is a prerequisite to Court Practice and must be taken by a student who has not already obtained credit in Evidence, if he intends to elect Court Practice the following year.

be offered in addition to Criminal Law, Property I, and Evidence will be Suretyship, Equity III, Public Service Law, and Administrative Law. Thereafter it is intended to alternate in successive summers these four subjects last mentioned with Bankruptcy, Quasi-Contracts, Mortgages, and Partnership.

Students who intend to shorten their course by attending three summer sessions should make their election of subjects during the regular terms with reference to the subjects which will be available during the summers.

SCHOOL OF THE FINE ARTS

FACULTY

ARTHUR TWINING HADLEY, Ph.D., LL.D., President.

JAMES ROWLAND ANGELL, Litt.D., President-elect.

WILLIAM SERGEANT KENDALL, M.A., N.A., Dean, and William Leffingwell Professor of Painting and Design.

GEORGE HENRY LANGZETTEL, B.F.A., Instructor in Drawing, and Secretary.

JOHN IRELAND HOWE DOWNES, B.F.A., Librarian.

JOHN HENRY NIEMEYER, M.A., A.N.A., Street Professor of Drawing, Emeritus.

JOHN FERGUSON WEIR, M.A., N.A., William Leffingwell Professor of Painting and Design, and Director Emeritus.

EVERETT VICTOR MEEKS, M.A., B.F.A., A.D.G.F., Professor of Architecture.

EDWIN CASSIUS TAYLOR, M.A., B.F.A., Professor of Drawing.

HENRY DAVENPORT, B.A., A.D.G.F., Assistant Professor of the History of Art.

SHEPHERD STEVENS, B.A., A.D.G.F., Assistant Professor of Architecture.

ROBERT GEORGES EBERHARD, Instructor in Sculpture.

RAYNHAM TOWNSHEND, M.D., Lecturer on Anatomy.

THEODORE DIEDRICKSEN, B.F.A., Instructor in Drawing.

GENERAL STATEMENT

MR. Augustus Russell Street (B.A. 1812) was the first to give practical form to the conception that the study of the Fine Arts properly comes within the scope of a University by expressing, in 1863, a desire to erect a building at Yale adapted to the purposes of a School of the Fine Arts. The foundation-stone was laid in 1864 and the building was completed in 1867. A professorship of painting and design, to which was attached the

directorship of the School, was endowed and, in 1869, upon the appointment of John Ferguson Weir to this office, the School was formally opened and four students admitted to the technical courses. Certificates were given upon the completion of a prescribed course of work, and the degree of Bachelor of Fine Arts (B.F.A.) upon the fulfillment of more advanced requirements. This degree was first conferred in 1891.

The School occupies a position in many ways unique among the Art Schools of America. It offers, by reason of its relations with the other Schools of the University, advantages both to professional students and to the undergraduates, and opens to the student of art the possibility of finding himself part of a larger cultivation to which his own activities may be intelligently related.

The atmosphere of a School of Art in which the three great branches, Architecture, Painting, and Sculpture, are studied side by side should properly have a more advantageous effect upon the student of any one of these professions than a school limited to the consideration of one branch alone.

In technical work each of the three departments of the School of the Fine Arts offers a complete course in itself.

EQUIPMENT AND BUILDINGS

See Sections III and IV of this Catalogue.

The Collections of the School, described in Section III of this Catalogue and in greater detail in the Catalogue of the School, are open free to the public from October 1 to June 1, on week days, from 1.00 to 4.30 P. M.; and on Sundays, from November 1 to May 1, from 2.00 until 4.30 P. M. During the summer vacation the galleries are open from 9.00 A. M. to 12.30 P. M., and from 2.00 to 5.00 P. M.

The Art Library, in the School building, where the students may read and study, contains 1,500 bound volumes. This collection is made up, in large part, of the books left by the late Professor Edward E. Salisbury and Professor James M. Hoppin. It consists mainly of technical handbooks, the best of the current art periodicals, histories, biographies, and works on general art topics, and is planned as a reference library especially adapted to the needs of the art student. A special professional architectural library is included, where books and documents may be consulted in connection with the problems in design and the courses in the history of architecture.

There are also portfolios of engravings, etchings, and a collection of several hundred photographs of paintings, sculpture, and architectural subjects. The library is open during the working hours of the School.

BOARD AND ROOMS

*Board may be obtained in private homes and boarding houses.

There are no dormitory accommodations provided in the School of the Fine Arts. Furnished rooms may be obtained in private houses within reasonable distance of the University.

SPECIAL FEES

Students upon entering the School are provided with the necessary easels, drawing-boards, modeling stands, chairs, etc., for which a fee of \$3 will be charged.

FELLOWSHIP, SCHOLARSHIPS, AND PRIZES

The Fellowship and Scholarships of the School offer opportunities for additional study, abroad and in the School. Several prizes are awarded for meritorious work in different subjects.

TUITION

The annual charges for tuition, for students in the Course in Drawing and Painting and in the Course in Sculpture, including a charge for the use of the University Library, are \$90, payable, \$45 at the beginning of the first term, and \$45 at the beginning of the second term. No reduction in tuition fees is made because of absence.

The tuition fee for the full course in Architecture is \$180 for the school year. This covers all courses given at the College or Sheffield Scientific School and the use of the University Library and Gymnasium.

The tuition fee for non-University special students is fixed at a sum proportionate to the amount of time and instruction taken, but it is in no case to be less than two-thirds of the regular fee for each term.

A uniform fee of \$25 is charged to special students from other schools of the University, without regard to the amount of time and instruction taken.

The bills for tuition are made out and delivered to the students (or mailed to the parent or guardian, if request to that effect is made) twice a year, namely, at the beginning of each term, at which time they are payable at the Bursar's Office, in Houghton Hall.

Tuition fees and all other accounts are payable within ten days of the date on which they are presented. Any delay in payment beyond the date specified renders the delinquent liable to forfeiture of his enrollment, or to such other discipline as may commend itself to the Dean of the School. In any event, the Bursar is directed to regard a

delinquent student's registration as temporarily suspended, and so report to his Dean. Registration once suspended or forfeited can be restored only upon the payment of a fee of \$5.

PRIVILEGES

Among the Collections mentioned in Section III of this Catalogue, those of special interest to students in the School of the Fine Arts include: the REBECCA DARLINGTON STODDARD COLLECTION OF GREEK AND ETRUSCAN VASES in Memorial Hall numbers 676 pieces, almost all in perfect state of preservation, representing 95 styles from the Mycenæan age to the early Christian period; the BABYLONIAN COLLECTION in Osborn Zoological Laboratory; the PALESTINIAN COLLECTION in Day Library, illustrating with unusual completeness the pottery of Palestine; and the ARCHÆOLOGICAL MUSEUM, 17 Phelps Hall, containing valuable models, statuettes, coins, gems, lamps, mosaics, and fragments of vases which illustrate styles of pottery from the Neolithic to the Roman periods.

The Trowbridge Lecture course provides a series of lectures on the History of Art, as shown in Architecture, Sculpture, and Painting.

For other privileges of the University, see Section III of this Catalogue.

COURSES OF STUDY AND REQUIREMENTS

The School of the Fine Arts offers thorough technical instruction in the Arts of Design, viz.:—Drawing, Painting, Sculpture, and Architecture; as a professional School of the University, it combines with a technical practice, based on methods of work thoroughly tested both abroad and in this country, courses of lectures on related subjects and general courses of lectures on the Fine Arts.

Three regular courses are provided, in Painting, Sculpture, and Architecture. Students of both sexes over sixteen years of age will be admitted to the courses in Painting and Sculpture, but men only to the Architectural course.

REQUIREMENTS FOR DEGREE

The Degree of Bachelor of Fine Arts is conferred by Yale University, on the recommendation of the Faculty of the School of the Fine Arts, upon students of each of the three Departments of the School, namely, Drawing and Painting, Sculpture, and Architecture, and is awarded at the University Commencement to candidates for this distinction who show exceptional merit in the work submitted and in the thesis offered for the judgment of the Faculty. Eligibility in the

Course in Drawing and Painting and in the Course in Sculpture requires the equivalent of five years of work as described in the present Catalogue.

SCHEDULE OF THE COURSE IN DRAWING AND PAINTING

PREPARATORY CLASS

A Preparatory Class, for which there are no entrance requirements, is provided for applicants who can not qualify for the work of the first year in the Course in Drawing and Painting.

The required work of the Preparatory Class consists of drawing from casts,—first from simplified forms and later from casts of the human head in full modeling, and prescribed exercises in perspective.†

FIRST YEAR CLASS

To qualify for the first year of the Course in Drawing and Painting applicants are required either to have completed the work of the Preparatory Class, with a satisfactory grade, or to submit cast or life drawings of the human head or fragments of the figure, containing merit satisfactory to the Faculty.

The required work of the First Year Class consists of drawing, first from fragments and full-length casts and later from the head and nude figure from the living model, with still-life painting, and prescribed exercises in composition,‡ perspective, and anatomy.§

† Instruction in perspective is given in a series of illustrated lectures covering a period of three school terms. Students are required to work out examples in the interim between lectures. The study is pursued with a special regard to the essential needs of the draftsman working from nature, in distinction, for the most part, from methods used by architects in the construction of drawings from ground plans and previously established data.

‡ The study of composition is carried on throughout the whole Course in Drawing and Painting. Prescribed subjects and compositional requirements are given at regular intervals, and students are taken over a line of study the purpose of which is to establish in their minds certain definite principles and methods of procedure in the designing of both easel pictures and mural decorations. The work progresses from elementary examples through problems of increased difficulty to the ultimate process of executing complete pictures, including the making of sketches, studies from models and accessories, enlarging, and final painting.

§ In anatomy, instruction is given in a series of illustrated lectures covering two seasons, each of which begins in November and ends in March. The whole structure of the skeleton and muscular system is considered. External forms in action and repose, the subjects of proportion, equipoise, motion, and expression are studied. Students are required to make drawings of portions of the skeleton, and reduce a figure, drawn from cast or life, to its anatomical structure by the imagined removal of the integument.

SECOND YEAR CLASS

To qualify for the second year of the Course in Drawing and Painting applicants are required either to have completed the work of the First Year Class, with a satisfactory grade, or to submit drawings from the nude life, still-life paintings, together with examples of composition, perspective, and anatomy, all of merit satisfactory to the Faculty.

The required work of the Second Year Class consists of drawing the head and nude figure from the living model, painting from the portrait model, and prescribed exercises in composition and anatomy.

THIRD YEAR CLASS

To qualify for the third year of the Course in Drawing and Painting applicants are required either to have completed the work of the Second Year Class, with a satisfactory grade, or to submit drawings from the nude life, paintings from the portrait model, and examples of composition, all of merit satisfactory to the Faculty.

The required work of the Third Year Class consists of drawing and painting from the nude model and prescribed exercises in advanced composition.

For the completion of the work of this class with a satisfactory grade a Three Year Certificate is given.

FOURTH YEAR CLASS

To qualify for the Fourth Year of the Course in Drawing and Painting applicants are required either to have completed the work of the Third Year Class and received the Three Year Certificate or to submit drawings, paintings, and compositions which show, in the judgment of the Faculty, that they have had training equivalent to that given in the first three years of the Course in Drawing and Painting in this School.

The required work of the Fourth Year Class consists entirely of practice in advanced composition pursued from professional points of view.

This study includes the making of prescribed composition sketches for portraits, easel pictures and mural decorations, and the carrying out of chosen composition schemes, supplemented by work from the living model and accessories.

For the completion of the work of the Fourth Year Class, with a satisfactory grade, the Course Certificate is given, crediting the recipient with one of the two years of advanced work needed for qualification for the degree of Bachelor of Fine Arts.

SCHEDULE OF THE COURSE IN SCULPTURE

PREPARATORY CLASS

A Preparatory Class, for which there are no entrance requirements, is provided for applicants who cannot qualify for the work of the first year in the Course in Sculpture.

The required work of the Preparatory Class consists of drawing from casts, first from simplified forms and later from the completely modeled human head, with prescribed exercises in perspective.

FIRST YEAR CLASS

To qualify for the first year of the Course in Sculpture, applicants are required either to have completed the work of the Preparatory Class with a satisfactory grade or to submit drawings or specimens of modeling from casts or from life of the human head, or fragments of the figure, whose merit is satisfactory to the Faculty.

The required work of the First Year Class consists of drawing, first from fragments and full-length casts, and later from the nude model; modeling, first from simplified forms, and later from casts of the human head and torso, with prescribed exercises in perspective and anatomy.

SECOND YEAR CLASS

To qualify for the second year of the Course in Sculpture, applicants are required either to have completed the work of the First Year Class, with a satisfactory grade, or to submit drawings from the nude life, specimens of modeling of the human head and torso from casts from the antique, together with examples of perspective and anatomy, all of merit satisfactory to the Faculty.

The required work of the Second Year Class consists of drawing the head and nude figure from the living model, modeling from fragments and the full-length figure from the antique, prescribed exercises in composition, anatomy, and casting.

THIRD YEAR CLASS

To qualify for the third year of the Course in Sculpture, applicants are required either to have completed the work of the Second Year Class, with a satisfactory grade, or to submit drawings from the nude life, specimens of modeling from the full-length figure from casts from the antique and examples of original composition, all of merit satisfactory to the Faculty.

The required work of the Third Year Class consists of drawing from the nude life, modeling from the head and the nude life, carving, and prescribed exercises in composition.

For the completion of the work of this class, with a satisfactory grade, a Three Year Certificate is given.

FOURTH YEAR CLASS

To qualify for the fourth year of the Course in Sculpture, applicants are required either to have completed the work of the Third Year Class, and received the Three Year Certificate, or to submit drawings, specimens of modeling from life, and original compositions, which show, in the judgment of the Faculty, that they have had training equivalent to that given in the first three years of the Course in Sculpture in this School.

The required work of the Fourth Year Class consists entirely of practice in advanced composition, comprising the making of sketches in both relief and the full round, and the execution of designs on an enlarged scale, to correspond with practical studio work.

For the completion of the work of the Fourth Year Class, with a satisfactory grade, the Course Certificate is given, crediting the recipient with one of the two years of advanced work needed for qualification for the degree of B.F.A.

STUDENTS NOT CANDIDATES FOR A DEGREE

PAINTING AND SCULPTURE

Applicants not from other schools of the University who, for reasons satisfactory to the Faculty, desire to enter the Art School for less than the regular scheduled time and work are entered as special students, upon otherwise qualifying in accordance with the regular entrance requirements.

The required work corresponds, as far as practicable, to that of the regular courses; and such students are given credit towards the completion of the work of the regular courses, according to the amount of time spent and the grade gained.

These students are not, however, permitted to compete for any of the School's awards without the particular approval of the Faculty; and in no case shall one who is not from other schools of the University be ranked as a student of Yale or be accorded the privileges of one.

Applicants for admission as special students from other schools of the University are permitted to take less than the regular scheduled time and work under the same conditions which govern non-University students, or to take, without credit, the work of the College Elective courses in Drawing, Painting, or Sculpture. Hours

are fixed at the beginning of each term after consultation with the instructors.

For students from professional schools of the University a Special Course in Freehand Pencil Drawing is offered. This provides for students of Geology, Forestry, Botany, Medicine, and Engineering, opportunity to acquire a practical method of drawing with lead pencil valuable in laboratory and field exercises, and later in professional practice.

DEPARTMENT OF ARCHITECTURE

AIM OF COURSE

The Department of Architecture of the Yale School of the Fine Arts places its emphasis upon Architectural Design, but gives enough training in Engineering to enable a graduate to understand the structural needs of design, and to cooperate intelligently with the Architect-Engineer.

The regular course for those who successfully pass the admission requirements is planned to cover a period of four years. This period of time, however, may be longer or shorter according to the student's industry and ability, and the nature and completeness of his previous preparation.

Students are strongly advised to obtain, whenever possible, a general college or scientific school education before entering the course in Architecture, for the reason that there is much general knowledge necessary to the successful career of a fully-equipped architect which cannot be included in a strictly technical course of four years' duration.

The study of design is given chiefly by means of *projets* and criticisms. The *projets* vary in length from sketch *projets* whose solution is limited to a few hours, to regular *projets*, some of which extend for four weeks or longer.

A definite "Program" or list of requirements is given for each *projet*; a written "Defense" or essay is required with each *projet*, giving a clear analysis of the student's reasoning in solving the problem. After each *projet* is finished, drawings and essays will be judged and marked, and a general criticism of them given before the class by the instructor.

Instruction and practice in freehand drawing and architectural rendering is given as the necessary means for architectural expression. This includes freehand drawing in charcoal from the cast, sketches in water color, and pen-and-ink, and the usual rendering in monotone of shades and shadows on architectural elevations.

ADMISSION BY EXAMINATION

Candidates are admitted to the First Year Class of the course in Architecture on passing an examination in the subjects required for admission to Yale College or the Sheffield Scientific School as set by the College Entrance Examination Board. These requirements, the schedule, and the list of places where examinations will be held are given in detail in Section V, Terms of Admission.

Applications for the examinations in June should be sent not later than May 15, and for the September examinations not later than September 15. All communications with regard to these examinations should be addressed to the Registrar, Sheffield Scientific School, 1 Sheffield Hall, Yale University.

ADMISSION FROM OTHER INSTITUTIONS

Certificates of standing in other institutions of collegiate rank, if they contain credits indicating a high grade of scholarship, are accepted in place of examination in the subjects required for admission. The statement of credits must be accompanied by a letter of honorable dismissal.

REQUIREMENTS FOR ADVANCED STANDING

All candidates for advanced standing are examined in the subjects required for admission as well as in the studies already pursued by the class which they wish to enter, except where satisfactory credits, covering the required subjects, are presented from some other university or college of good standing. No candidate for a degree is admitted later than the beginning of the Senior year. Students from other colleges must present certificates of dismissal in good standing.†

DEFICIENCIES

First Year students who are dropped or withdraw for scholarship deficiencies are not readmitted until all conditions in subjects required for admission have been removed.

STUDENTS NOT CANDIDATES FOR A DEGREE

NOT FROM OTHER SCHOOLS OF THE UNIVERSITY

The applicant for admission to any one of the courses as a special student must present to the Faculty, with his application for this privilege, his reasons for desiring it and his qualification for receiving

† Blank forms of application for advanced standing will be sent by the Committee on Admission upon request.

it. The Faculty will decide upon this evidence the question of such admittance. The tuition fee will be fixed at a sum proportionate to the amount of time and instruction given to the student, in no case to be less than two-thirds of the full tuition fee for the regular students. No special student not in other Schools will be ranked as a student of Yale University, or accorded the privileges of one.

FROM OTHER SCHOOLS OF THE UNIVERSITY

The applicant for admission as a special student from other Schools will be admitted upon the same conditions to the regular or the elective courses in Painting and Sculpture, or to the elective courses only in Architecture. The stated fee for this will be \$25.

The days and hours open to the special students are to be fixed at the beginning of each term, after consultation with the instructors. The grading of special students and the classes they will be permitted to enter will be determined by their ability to meet the entrance requirements for each year's work.

DEGREE

The degree of Bachelor of Fine Arts is conferred by the Corporation on those students who have successfully completed the course as shown on the schedule and who have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Bursar not later than the Saturday before Commencement.

ELECTIVE COURSES

Students in the College or Sheffield Scientific School may elect certain courses in architecture and mathematics needed for the architect's degree and thereby shorten the time required in the Department of Architecture. By this means it is possible to complete the course in three years instead of four, although it will demand both capacity and industry on the part of the student. Complete descriptions of these courses listed below may be found in the Catalogues of the undergraduate Schools.

COMBINED B.A. AND B.F.A. COURSE

Students in the College who are candidates for the degree of Bachelor of Arts may major in Architecture as follows:

MAJOR IN ARCHITECTURE (8 hrs.)

Art A 2. (Architecture 12) Drawing.

Mr. DIEDRICKSEN.

† *Art B 3. (Architecture 13) (Introductory course).*
Professor MEEKS.

† *Art C 10. (Architecture 14) Advanced Architecture.*
Professor MEEKS and Assistant Professor STEVENS.

MINOR IN HISTORY OF ARCHITECTURE (7 hrs.)

‡ *Classical Archaeology C 5. (Architecture 15) Greek Architecture.*
Assistant Professor BAUR.

Art B 4. (Architecture 26) History of Medieval Architecture.
With or after B 3. Assistant Professor DAVENPORT.

Art B 6. (Architecture 36) History of Renaissance Architecture.
With or after B 3. Assistant Professor DAVENPORT.

COMBINED PH.B. AND B.F.A. COURSE

The pre-architecture course covering the equivalent in credit hours of the first year's work in the Department of Architecture, School of the Fine Arts, may be elected at the beginning of Sophomore year by students in the College who are candidates for the degree of Bachelor of Philosophy.

The entire work of the first year in the Department of Architecture is thus offered to College undergraduates who are looking forward to the practice of Architecture, and who may therefore desire to anticipate a year towards the professional degree of B.F.A. Such students are enrolled both in the College and the Department of Architecture. They attain the Ph.B. degree with their College class, and, in addition, they receive credit for the work of one year in the Department of Architecture. This makes it possible to obtain both the Ph.B. and the B.F.A. degrees in seven years.

Students who intend to take the combined course must keep this end in view in electing their work for Sophomore, Junior, and Senior years in the College.

This seven years combined course may be shortened by one term in exceptional cases if the student has successfully completed his preliminary preparation in the College and maintains a high standard of diligence and application. In every case the amount and excellence of the work must meet the standard required by the Department of Architecture.

† Students should elect Art B 3 in Junior year; Art C 10 can be taken only with or after Art B 3.

‡ Written permission must be secured from the instructor in order to gain admission to the course.

SCHEME OF STUDIES

SOPHOMORE YEAR

1. *Art A 2. (Architecture 12) Freehand Drawing.*
2. *College B 5. (Architecture 17) Mathematics.*
3. *College B 3. Physics.*
4. *College A 1. Economics.*
5. *Elective (4 hours).*

JUNIOR YEAR

1. *Art B 3. (Architecture 13) (Introductory course).*
2. *Sheffield Scientific School—Drawing 2. (Architecture 26) Descriptive Geometry.*
3. *Classical Archaeology C 5. (Architecture 15) Greek Architecture.*
4. *{ Art B 4. (Architecture 26) Mediæval Architecture
or Art B 6. (Architecture 36) Renaissance Architecture.*
5. *A course in English, History, or Economics. (3 hours.)*
6. *Elective (4 hours).*

SENIOR YEAR

1. *Art C 10. (Architecture 14) Advanced Architecture.*
2. *Classical Archaeology C 5. (Architecture 15) Greek Architecture. (If not taken in Junior year.)*
3. *{ Art B 6. (Architecture 36) Renaissance Architecture
or Art B 4. (Architecture 26) Mediæval Architecture.*
4. *A course in English, History, or Economics.*
5. *Elective.*
6. *Elective.*

Besides the above courses credit will be given in the Department of Architecture to the students in the College who have taken the following courses:

† *Classical Archaeology C 7. (Architecture 25) Roman and Etruscan Art.*
Art B 7. (Architecture 32) Sculpture.

The courses thus taken in the Scientific School for which credit will be given in the Department of Architecture are the following:

Drawing 2. (Architecture 26) Descriptive Geometry.
Mathematics 11. (Architecture 17) Solid Geometry, Plane Trigonometry, Advanced Algebra, and Plane Analytic Geometry.
Mathematics 12. (Architecture 18) Plane Analytic Geometry.
Mathematics 21. (Architecture 27) Differential and Integral Calculus.
Engineering Mechanics 1. (Architecture 34) Statics.
Civil Engineering 61. (Architecture 35) Stresses.
Civil Engineering 64. (Architecture 36) Structural Drafting.
Civil Engineering 65. (Architecture 45) Structural Engineering.
Engineering Mechanics 3. (Architecture 47) Strength of Materials.
Metallurgy 251. (Architecture 48) Materials.

† Written permission must be secured from the instructor in order to gain admission to the course.

SUBJECTS OF INSTRUCTION FOR COMPLETE COURSE IN ARCHITECTURE

FIRST YEAR

Architecture 11. Elementary Design.

Assistant Professor STEVENS.

Architecture 12. Freehand Drawing from Casts.

Six hours per week. Mr. DIEDRICKSEN. (See Art A 2, College.)

Architecture 13. An Introductory Survey of the Elements and Chief Styles of Architecture.

Three hours. Professor MEEKS. (See Art B 3, College.)

Architecture 14. Architectural Drawing and Design.

Six hours. Professor MEEKS and Assistant Professor STEVENS. (See Art C 10, College.)

Analytical History of Greek Architecture 15.

Three hours. Assistant Professor BAUR. (See Classical Archaeology C 5, College.)

Architecture 16. Rendering in water color, pen and ink, and pencil.

Two hours. Mr. LANGZETTEL.

Solid Geometry, Plane Trigonometry, Advanced Algebra, and Plane Analytic Geometry 17. (See Mathematics 1a and 1b, Sheffield.)

Freshmen in Architecture who have not passed Advanced Algebra, Solid Geometry, and Plane Trigonometry at entrance. First term; four recitations, eight hours of preparation, and one two-hour computation period per week. Second term; three recitations, seven hours of preparation, and one two-hour computation period per week. Professor SMITH. (See Mathematics 11, Sheffield.)

Plane Analytic Geometry 18. (See Mathematics 2a and 2b, Sheffield.)

Freshmen in Architecture who have satisfactory credits in Advanced Algebra, Solid Geometry, and Plane Trigonometry, as well as Elementary Algebra and Plane Geometry. Both terms; two recitations, four hours of preparation, and one two-hour computation period per week. Professor SMITH. (See Mathematics 12, Sheffield.)

SECOND YEAR

Architecture 21. Intermediate Design—long projects and sketch projects.

Assistant Professor STEVENS.

Architecture 22. Freehand Drawing.

Six hours. Professor TAYLOR.

Architecture 23. History of Mediæval Architecture.

Two hours. Assistant Professor DAVENPORT. (See Art B 4, College.)

Architecture 24. Architectural Perspective Drawing.

Given with special reference to the needs of architectural draftsmen. Two hours. Assistant Professor STEVENS.

Analytical History of Roman Architecture 25.

Three hours per week. Assistant Professor BAUR. (See Classical Archaeology C 7, College.) [Omitted in 1921-22.]

Descriptive Geometry 26.

First term; three two-hour periods per week. Assistant Professor KIRBY and Mr. GLEASON. (See Drawing 2, Sheffield.)

Differential and Integral Calculus 27.

Both terms; four recitations, seven hours of preparation, and one two-hour computation period per week. Professor SMITH, Assistant Professors LONGLEY and MILES, Dr. STETSON, Mr. WHITTEMORE, and Mr. MIKESH. (See Mathematics 2, Sheffield.)

THIRD YEAR

Architecture 31. Advanced Design.

Professor MEEKS.

Architecture 32. Architectural Modeling.

Four hours. Mr. EBERHARD. (See Art B 7, College.)

Architecture 33. History of Renaissance Architecture.

Two hours. Assistant Professor DAVENPORT. (See Art B 6, College.) [Omitted in 1921-22.]

Statics 34.

First term, one recitation, one lecture, one two-hour computation period, and four hours preparation. Professor TILDEN, Assistant Professors SHEPARD, KIRBY, and FARNHAM, and Mr. HENDRICK. (See E. M. 4, Sheffield.)

Stresses 35.

Second term, two recitations, and eight hours of computation. Professor TRACY. (See C. E. 61, Sheffield.)

Structural Drafting 36.

First term, one lecture and five hours of drafting and computation per week. Assistant Professor C. T. BISHOP. (See C. E. 64, Sheffield.)

FOURTH YEAR

Architecture 41. Advanced Design.

This course can be taken only after the student has satisfactorily completed course 31. Professor MEEKS.

Architecture 42. Architectural Research.

Assistant Professor STEVENS.

Architecture 43. Building Materials.

Professor MEEKS.

Architecture 44. Working Drawings and Specifications.

One *projet* translated into $\frac{1}{4}$ " scale working drawings, $\frac{3}{4}$ " scale and full size details and complete specifications written out. Professor MEEKS.

Structural Engineering 45.

Second term; three lectures and nine hours of computation per week. Assistant Professor C. T. BISHOP. (See C. E. 65, Sheffield.)

Architecture 46. Thesis.

One large architectural composition including a group of buildings, worked out with special care. Professor MEEKS.

ARCHITECTURAL ENGINEERING

The following courses in architectural engineering may be substituted for equivalent hours in design:

†Strength of Materials 47.

Two recitations and two hours laboratory work per week. Professor TILDEN, Assistant Professors LAURSON and HOOK, Mr. HENDRICK, and Mr. SKELTON. (See E. M. 3, Sheffield.)

‡Materials 48.

Both terms; one lecture and one supervised study period. Professor MATHEWSON and Assistant Professor PHILLIPS. (See Metallurgy 251.)

† Architecture 47 may be substituted for equivalent hours in design.

‡ Architecture 48 may be taken as an alternate to Architecture 43.

SCHOOL OF MUSIC

FACULTY

ARTHUR TWINING HADLEY, Ph.D., LL.D., President.

JAMES ROWLAND ANGELL, Litt.D., President-elect.

DAVID STANLEY SMITH, M.A., Mus.D., Dean, and Professor of Music.

HARRY BENJAMIN JEPSON, M.A., Mus.B., Professor of Applied Music, and University Organist.

STANLEY KNIGHT, Assistant Professor of Applied Music, and Instructor in Pianoforte-Playing.

ISIDORE TROOSTWYK, Assistant Professor of Applied Music, and Instructor in Violin-Playing.

HOPE LEROY BAUMGARTNER, Mus.B., Instructor in Theory.

HAGOP FRANK BOZIAN, Mus.B., Instructor in Organ-Playing and Assistant Organist.

SAMUEL ELLSWORTH GRUMMAN, M.A., Instructor in Pianoforte-Playing and Secretary to the Faculty.

WILLIAM EDWIN HAESCHE, Mus.B., Instructor in Instrumentation.

LEWIS FREDERIC PEASE, B.A., Instructor in Singing.

FRANCIS ROGERS, B.A., Instructor in Singing.

BRUCE TIBBALS SIMONDS, B.A., Mus.B., Instructor in the History of Music.

ARTHUR BARTLETT HAGUE, B.A., Assistant in Pianoforte-Playing.

HISTORY

IN 1854 Mr. Joseph Battell established a fund for the support of a teacher of the Science of Music and the following year Gustave J. Stoeckel was appointed Instructor in Vocal Music, later becoming Chapel-Master and Organist. Courses in Music were given as a part of the instruction in Yale College but it was not until 1890 that a concerted effort was made to create a separate department. In that year through the consolidation of the Battell gifts for instruction in Music, the Battell Professorship of the Theory of Music was established, and Mr. Stoeckel was appointed to this chair. In 1893 students not connected with other departments of the University were admitted, and, in 1894, by a vote of the Corporation, the courses in Music were organized as a separate department. In June of that

year the degree of Bachelor of Music was conferred on four candidates and in 1896 certificates of proficiency were first awarded to students not eligible for a degree.

BUILDINGS AND EQUIPMENT

See Sections III and IV of this Catalogue.

The School has a LIBRARY of about two thousand works on the history and theory of music, and orchestral scores, pianoforte music, quartets, etc. It includes also the Lowell Mason collection, about 6,600 volumes, containing many interesting early works on musical theory, besides hundreds of volumes of church music. About 600 volumes of valuable musical scores have been transferred from the Library of the University; these include the complete works of Bach, Beethoven, Berlioz, Händel, Mendelssohn, Mozart, Palestrina, Schubert, and Schumann. By the use of the Library, students can familiarize themselves with compositions which are about to be performed, preparatory to attending the concerts. They can in this manner study classic and modern works which are otherwise not readily accessible. There is also a large and scholarly collection of musical literature in the University Library. This may be used freely by students in the School of Music.

EXPENSES

The fee for instruction in one or more of the courses in the Theory of Music is \$60 for the college year. Students who take the course in Theory of Music alone without enrollment in a course in Practical Music shall pay \$75. The fee for one or more courses in Sight Singing or Dictation in connection with the Course in Singing is \$20. Students regularly enrolled in the School of Music are charged in addition to the above fee, the following fees for instruction in Practical Music:

For Pianoforte (one exercise weekly).....	\$125 for the college year
For Organ (one exercise weekly).....	125 " " " "
For Violin (two exercises weekly).....	150 " " " "
For Viola (two exercises weekly).....	150 " " " "
For Singing (one exercise weekly).....	125 " " " "

Students enrolled in other schools of the University are allowed, with the approval of their Dean, to take courses in the School of Music, and for this are charged four-fifths of the fees above listed. Special students from other schools who are members of classes in the Theory of Music, are charged at the regular interdepartmental rate of \$12 per hour.

Four rooms in Sprague Memorial Hall are furnished with pianos and may be used as practice-rooms by students in the School of

Music. The fee for each hour of daily use of such a room is \$15 for the university year,

Four organs in this building are available for practice by students of organ playing. The fee for each hour of daily use of an organ is \$18 for the university year.

The tuition charges above mentioned include fees for registration and for the use of University Libraries. Men students who desire to use the Gymnasium may do so upon the payment of an additional fee of \$5 a year. A further fee of \$5 is charged for a Certificate, and a fee of \$20 for a Degree.

A student who is absent on account of sickness, or for any other cause, and retains his enrollment with his class, is charged full tuition during his absence; and payment is required before he can be admitted to examination.

Students who desire to discontinue their enrollment in the School or in a class are allowed to do so only at the end of a term, and must inform the Secretary in advance. Full payment of tuition for a term is required of any student who is enrolled at the beginning of the term.

The bills for tuition, room rent, and various other items are due and payable twice a year in advance, namely, at the beginning of each term, at the office of the Bursar in Houghton Hall, and will be mailed to the parent or guardian of any student only if request to that effect is made. Accounts for the first term must be settled by November 15, and accounts for the second term by February 15. Other accounts are payable within ten days of the date on which they are presented. Drafts on New York, Philadelphia, and Boston are received at par. Any delay in payment beyond the date specified renders the delinquent student liable to forfeiture of his enrollment, or to such other discipline as may commend itself to the Dean of the School in which he is enrolled. In any event, the Bursar is directed to regard a delinquent student's registration as temporarily suspended, and to so report to his Dean. Registration once suspended or forfeited can be restored only upon the payment of a fee of \$5.

Every student, on being admitted, must give to the Bursar a bond, executed by his parent or guardian, for \$500, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is provided at the time of admission.

SCHOLARSHIPS AND PRIZES

The Scholarships of the School offer opportunities for additional study. Several prizes are awarded for meritorious work.

Loans to meet a part, or, in some cases, all of the tuition, may be made on the recommendation of the Faculty through the Bureau of Appointments.

PRIVILEGES

THE NEW HAVEN SYMPHONY ORCHESTRA, under the direction of the Dean, gives a series of concerts during the winter. This organization is a complete and well equipped orchestra of about seventy players, and is a valuable adjunct to the School of Music.

Students of Instrumentation are afforded an opportunity to hear their work actually performed, and any composition which is original and of sufficient merit may be performed publicly. Students of this subject are required to attend the rehearsals of the orchestra.

The Orchestra affords an opportunity to acquire orchestral routine to those students of the violin or viola who are able to pass the examination for admission to the orchestra.

The most advanced students of pianoforte-playing and violin-playing are allowed to rehearse with the orchestra, and to perform publicly, if fitted to do so in the judgment of the Faculty of the School.

CONCERTS

The following opportunities in Music are open to all students of the University on payment of moderate admission fees, which are so adjusted as to meet the unavoidable expenses of such undertakings:

UNIVERSITY CHAMBER CONCERTS. Concerts will be given during the season by well known organizations and artists. Through the generosity of Mrs. Elizabeth Shurtleff Coolidge three chamber concerts are given annually for which no admission is charged.

SYMPHONY CONCERTS. These concerts, three in number, are given by the New Haven Symphony Orchestra. Programs of classical and modern compositions are played and the assistance of eminent soloists is secured. The present season is the twenty-seventh of the orchestra.

ORGAN RECITALS. A series of Organ Recitals is given by the University Organist during the winter months for which a small fee is charged. A series of Organ Recitals, free to the public, is given on Sunday afternoons.

STUDENTS' RECITALS. Four informal recitals by students in the School of Music take place during the winter and spring, and one concert is given in Woolsey Hall in May or June, in which advanced students are given an opportunity to perform with orchestra. At this concert the award of the scholarships and prizes is announced, and those students whose work during the year has been most satisfactory appear publicly as composers, conductors, or performers. Solo recitals by students of the Pianoforte or Organ are given from time to time.

WHITING RECITALS. A series of five Expositions of Classical and

Modern Chamber Music by Mr. Arthur Whiting, of New York City, assisted by other artists, is given in Sprague Memorial Hall. Students in the University are admitted to this course free of charge.

WOOLSEY HALL CONCERT SERIES. Concerts by musicians and organizations of the highest standing are given from time to time.

MORRIS STEINERT COLLECTION

Of interest to students of Music is the Morris Steinert collection of musical instruments and manuscripts. It contains a large number of ancient keyed and stringed instruments in a state of excellent preservation, and shows the development of these instruments during a period extending over several centuries. This collection, which contains also a number of ecclesiastical manuscripts, is of much historical importance. It was given to the University by the late Morris Steinert, of New Haven, and is kept in Memorial Hall. An historical catalogue of the collection has been prepared by the University and can be procured at the office of the Secretary of the University.

AIMS AND DEPARTMENTS OF STUDY

The School of Music aims to provide instruction for those who intend to become musicians by profession, either as teachers, as performers, or as composers, and to afford a course of study for such as intend to devote themselves to musical criticism and the literature of music.

The work of the School is divided into courses of study in the Theory of Music and in Practical Music. The courses in the Theory of Music are outlined in subsequent paragraphs. The courses in Practical Music consist of instruction in Pianoforte-, Organ-, Violin-, and Viola-playing, in Singing, and in the playing of Chamber music. Students of Practical Music must pursue also studies in the Theory of Music to the end of the third year. Students of Singing may be excused from enrollment in the Theory courses, with the exception of the courses in Sight Singing and Dictation.

Students in other schools of the University who are students of Practical Music are not required to take courses in Theory.

REQUIREMENTS FOR ADMISSION

Admission to the School is granted without distinction of sex, but no student under sixteen years of age will be admitted. Candidates must register their names at the Secretary's office in Sprague Memorial Hall before being admitted to the entrance examinations. The office will be open beginning Monday, September 26, 1921.

All applicants for admission to the School other than students in

other schools of the University are required to pass an examination in the Rudiments of Music. This examination consists of questions on the signatures of keys, time signatures, and the various kinds of major and minor scales. It will be held at Sprague Memorial Hall on Tuesday, September 27, 1921, at 11 A. M., or on Wednesday, September 28, at 2 P. M., as the candidate may prefer. Tests in Sight Singing and Dictation, which are required of all students in the School, will be given on Wednesday, September 28, between 9 A. M. and 12 M.

Candidates for admission, other than those who are expecting to enroll in the classes in Pianoforte-playing or Organ-playing, must give evidence of ability to play at sight simple passages in four-part harmony at the pianoforte. This examination will be held on Wednesday, September 28, 1921, at 4 P. M. For the requirements of admission into the Department of Practical Music see page 428. Examinations for entrance into the courses in Pianoforte-playing will be held on Wednesday and Thursday; those for courses in Singing, Organ-playing, and Violin-playing will be held on Thursday.

COURSES OF STUDY

THEORY OF MUSIC

The courses in Theory are divided into two groups, those leading to a Certificate, and advanced courses leading to a Degree. A *Certificate of Proficiency in the Theory of Music* will be issued at the end of the third year upon the completion of the courses in Strict Composition and History of Music B (see page 428).

All students in the School are examined at the beginning of each year and are assigned to the course in Sight Singing or Dictation for which, in the opinion of the instructor, they are qualified. Such assignment will be determined solely according to the ability of the student and not with reference to his classification as first, second, or third year student. This enables the gifted student to complete the courses in Dictation in shorter time than the regular four-year schedule requires.

The courses entitled Elementary Composition, Instrumentation A and B, Composition in the Sonata Form, Advanced Composition and Conducting, and Advanced Orchestration have as their object the composition of music in the smaller homophonic forms and in the sonata form for a single instrument or for orchestra. Members of the advanced classes may become candidates for the degree of *Bachelor of Music*. [The degree will not be conferred for less than two years' work after the candidate shall have received the Certificate of Proficiency in the Theory of Music. One of these years must be spent in residence.

Candidates for the degree who have been prepared in the Theory of Music elsewhere than at the Yale School of Music must give evidence of having done an amount of work equivalent to that done during the first three years of the School (including Elementary Composition and Instrumentation A), and shall pursue the prescribed fourth and fifth year courses in residence.

As a thesis for the degree an original composition in one of the larger musical forms must be submitted by May 1. This composition must be either (1) in the sonata form, such as an overture for orchestra, the first movement of a symphony, a concerto, or (2) an extended work in free form for orchestra, or for chorus and orchestra.

In addition the candidate will be required to pass an examination designed to show his acquaintance with classic and modern music, a list of works to be studied being issued by the Professor of Music at the beginning of the year.

Candidates for the degree must give their names to the Professor of Music at the beginning of the year.

COURSES LEADING TO A CERTIFICATE

FIRST YEAR

Sight Singing.

This course is required of all students except those who are able to pass an examination equivalent to that given at the end of the course. Two half hours weekly. Mr. BAUMGARTNER.

Dictation A.

Required course. Two half hours weekly. Mr. BAUMGARTNER and Mr. BOZAN.

Harmony 1.

Required course. Two hours weekly. Mr. BAUMGARTNER.

Fundamentals of Music.

Required course. Lectures on rhythm, melody, etc. One hour weekly. Mr. SIMONDS.

Keyboard Harmony.

Elective course. Fifteen minute individual period weekly. Mr. BOZAN.

SECOND YEAR

Dictation B.

Required course. Chromatic and two-voiced problems. Two half hours weekly. Mr. BAUMGARTNER and Mr. BOZAN.

Harmony B.

Required course. Two half hours weekly. Mr. BAUMGARTNER.

Elementary Counterpoint.

Required course. Two hours weekly. Mr. BAUMGARTNER.

Keyboard Harmony.

Elective course. Same as for first year. Mr. BOZAN.

History of Music A. The Polyphonic Era.

Required course. One hour weekly. Mr. SIMONDS.

THIRD YEAR

Dictation C.

Required course. Three and four voices. Two half hours weekly. Mr. BAUMGARTNER and Mr. BOZYAN.

Strict Composition.

Required course. Two hours weekly. Professor SMITH.

History of Music B. The Classic Period.

Required course. One hour weekly. Mr. SIMONDS.

Elementary Composition.

Open to students who intend to take advanced work in composition. Two hours weekly. Professor SMITH.

Instrumentation A.

Two hours weekly. Mr. HAESCHE.

COURSES LEADING TO A DEGREE

FOURTH YEAR

Dictation D.

Required course. Problems introducing non-harmonic tones. Two half hours weekly. Mr. BAUMGARTNER and Mr. BOZYAN.

Composition in the Sonata Form.

Required course. Two hours weekly. Professor SMITH.

History of Music C. Development since Beethoven.

Required course. Two hours weekly. Mr. SIMONDS.

Instrumentation B.

Required course. One hour weekly. Mr. HAESCHE.

FIFTH YEAR

Advanced Composition and Conducting.

Required course. One hour weekly. Professor SMITH.

Dramatic Music.

Lectures on opera and oratorio. Required course. Two hours weekly. Mr. SIMONDS.

Advanced Orchestration.

One hour weekly. Professor SMITH.

PRACTICAL MUSIC

With the exception of students enrolled in other schools of the University no student is admitted to a course in Practical Music who has not been admitted to one of the theoretical courses. A further exception may be made in the case of students of Singing, for whom the only required theoretical courses are those in Sight Singing and Dictation.

Certificates are awarded to those students of Practical Music who, having completed with distinction a course in the study of an instrument or in singing, are qualified to act as teachers or to appear as soloists.

Pianoforte. Candidates for admission to courses in Pianoforte-playing other than graduate or undergraduate students in the University are required to pass an examination (see Catalogue of the School of Music). One exercise weekly. Assistant Professor KNIGHT, Mr. GRUMMAN, and Mr. HAGUE.

Organ. No student is admitted to the courses in Organ-playing until he has acquired a satisfactory knowledge of pianoforte technique (see Catalogue of the School of Music). One exercise weekly. Professor JEPSON and Mr. BOZYAN.

Violin. Candidates for admission to the course in Violin-playing, other than graduate or undergraduate students in other Schools of the University, are required to pass an examination (see Catalogue of the School of Music). Two exercises weekly. Assistant Professor TROOSTWYK.

Viola. Special instruction in Viola-playing to violin students. Two exercises weekly. Assistant Professor TROOSTWYK.

Singing. Students of singing are received in all degrees of proficiency, but must possess a promising voice and an accurate ear. All students of Singing are required to take courses in Sight Singing and Dictation, unless excused by the Faculty. For this a small charge will be made. (See page 422.) One exercise weekly. Mr. PEASE and Mr. ROGERS.

Chamber Music. Admission to this course is granted only to those students of violin, viola, and pianoforte who have attained proficiency in the use of their respective instruments. Assistant Professor TROOSTWYK.

SCHOOL OF FORESTRY

FACULTY

ARTHUR TWINING HADLEY, PH.D., LL.D., President.

JAMES ROWLAND ANGELL, LITT.D., President-elect.

JAMES WILLIAM TOUMEY, Sc.D., Dean, and Morris K. Jesup Professor of Silviculture.

RALPH CLEMENT BRYANT, F.E., M.A., Manufacturers' Association Professor of Lumbering.

HERMAN HAUPT CHAPMAN, M.F., M.A., Harriman Professor of Forest Management.

RALPH CHIPMAN HAWLEY, B.A., M.F., Professor of Forestry.

GIFFORD PINCHOT, Sc.D., LL.D., Professor of Forestry.

SAMUEL JAMES RECORD, M.F., M.A., Professor of Forest Products.

HARRY NICHOLS WHITFORD, PH.D., Assistant Professor of Tropical Forestry.

GEORGE PERKINS CLINTON, Sc.D., Lecturer on Forest Pathology.

GEORGE ALEXANDER CROMIE, M.F., Lecturer on the Care of Street and Park Trees.

GRADUATE ADVISORY BOARD

SAMUEL TRASK DANA, M.F., Chairman, Washington, D. C.

ALFRED BRYANT HASTINGS, M.F., Concord, N. H.

DAVID TOWNSEND MASON, M.F., Berkeley, Calif.

EDGAR CLARKSON HIRST, M.F., Canaan, Vt.

EDWARD COIT PECK, M.F., New Haven, Conn.

GENERAL STATEMENT

ORGANIZATION

THE School of Forestry of Yale University was established in 1900 and is the oldest School of Forestry in continuous operation in America. The founders recognized the need for well trained foresters and the setting of a high standard in forestry education and for these reasons the School was organized with the Baccalaureate degree as an entrance requirement.

The faculty has general supervision over all matters relating to

the courses of study given by its members. It recommends to the Corporation of Yale University through the Dean all candidates for the degree of Master of Forestry and determines the conditions on which recommendations for the degree shall be made. The five groups of instruction in the department are: Dendrology and Silviculture, Forest Economics and Management, Lumbering, Forest Products, and Tropical Forestry.

TERMS OF ADMISSION

Graduates of scientific schools, colleges, and universities of high standing are admitted as students in candidacy for the degree of Master of Forestry upon presentation of their diplomas showing that a degree of arts, science or philosophy has been bestowed upon them, provided they have taken courses in the following subjects in their undergraduate work: at least one full year in Botany, including General Morphology, Histology and Physiology of Plants; at least one course in Zoology, Physics, Inorganic Chemistry, Geology, Economics, and Mechanical Drawing; the completion of Mathematics through Trigonometry; and French or German.

Those who have not received a degree but have completed a minimum of three years of collegiate work including the required subjects are also admitted, provided they can show by certificate or examination that they have received the substantial equivalent of a college training. Their fitness for admission is determined from the subjects and range of their previous studies; full statements must be presented from their instructors showing the character and quality of their work. By the vote of the department such non-graduate students as show superior scholarship may become candidates for the degree of Master of Forestry.

Men who are not candidates for a degree may, under special conditions, be admitted to the School of Forestry to pursue work in Lumbering, Silviculture, and other subjects for which they have had sufficient preliminary training. Those who desire to enter the School as special students should correspond with the Dean and submit evidence of their scholastic attainments and special training that will justify them in pursuing the particular subjects desired. This work can be taken to advantage by men who, although not college graduates, have had considerable experience in woods work and who desire to improve themselves in some particular branch of forestry.

REGISTRATION

Every student upon entrance in the School of Forestry is required to register at the office of the Dean in Marsh Hall or at the summer camp and, if a candidate for the degree of Master of Forestry, file an

official transcript of his college record. He must also register at the beginning of each collegiate year thereafter as long as he continues in the School.

The year is divided into three terms, namely, the summer term, the first term, and the second term. The summer term begins the first week in July and continues for ten weeks. The first and second terms correspond with those of other departments of the University. In 1921 the summer term opens at Milford, Pennsylvania, on Friday, July 1. The first term begins at New Haven, Connecticut, Thursday, September 29. Students with advanced standing should arrange to enter at the beginning of the term when classes are organized in the subjects they desire to pursue. Special students should register at the time of the organization of classes in the particular subjects they are to take.

FEES AND EXPENSES

The tuition fee is \$125 for the first and second terms. An additional fee of \$35 is charged for the summer term.

Students enrolled in the School of Forestry who are permitted to take courses in other Schools of the University must pay an additional fee of \$12 per year for each weighted hour of instruction per week. So also students in other Schools of the University who are permitted to take courses in the School of Forestry must pay a similar fee.

In cases, however, where a candidate for the degree of Master of Forestry enters with an undergraduate degree in forestry based upon four years of collegiate work in an approved institution, certain courses offered by other Schools of the University upon vote of the faculty can be substituted for courses in the School of Forestry without additional tuition charges.

The tuition fee for partial work is based upon the amount of work carried but no fee will be less than one-half of full tuition. Students in attendance for a half term or less will be charged for a full half term's tuition, while those in attendance for longer than a half term will pay the full tuition for the term.

A laboratory fee, in addition to the tuition fee, must be paid by all students who take courses in the Osborn Memorial Laboratories for Zoology and Botany. This fee is \$10 per year, and is the only laboratory fee charged in the School of Forestry.

A special fee of \$5 is charged annually for those who use the Gymnasium and a fee of \$5 for the use of the Swimming Pool.

The field courses necessitate traveling expenses which vary from year to year according to the localities where the work is conducted. Ordinarily these expenses do not exceed \$100.

Required textbooks cost about \$20 each year. Incidentals, including surveying material, drawing instruments, field maps, etc., amount to about \$15 a year.

A charge of \$20 is made for the use and care of a tent during the ten weeks of the summer term. If two persons occupy one tent, the charge is \$15 for each person. Board in camp is charged at cost. Students are required to make deposits on board in advance. The first installment is payable at registration.

DEGREES

The degree of Master of Forestry is conferred upon those who have been permitted to enter the School as candidates for the degree and have completed at least two years of technical studies and met the other prescribed conditions for the degree. Although two years is the normal length of time required, the actual time is determined in each case by the character of the previous work of the candidate and the quality of the work accomplished while in attendance here.

With the approval of the faculty, work of equivalent grade done in residence at other schools of forestry and institutions where forestry is taught will be accepted toward the degree, but at least one year of residence work is required.

The subjects available for the candidate for the degree of Master of Forestry constitute a general two years' course which aims to cover in a broad way the entire field of forestry, or they are grouped in restricted courses each of which is confined to a limited field. In the latter case the student, who must have completed an undergraduate course in forestry, specializes in a particular branch of the subject. The subjects that are embraced in the general course are fixed and include but few electives.

Students who have already had an acceptable four-year undergraduate course in forestry can substitute certain subjects, such as Accounting, for part of their work in the School of Forestry.

The schedule of studies proposed by those who elect to specialize in some particular field of forestry must be submitted to the faculty at the beginning of the collegiate year and approved by that body not later than November 1. The subjects selected must form a coherent group. In all cases a thesis is required of those candidates for the degree who specialize in a particular field, the subject and scope of which must be approved by the department. The thesis must be either printed or typewritten and substantially bound. It must be deposited in the library of the School of Forestry not later than May 15 of the year the candidate plans to take the degree.

The degrees of Master of Science and of Doctor of Philosophy are conferred by the University upon students who have completed a

requisite amount of work in the Graduate School and met the other prescribed conditions for these degrees. Candidates for these degrees can pursue certain courses in the School of Forestry and work under the direction of members of its faculty.

SCHOLARSHIPS, PRIZES, AND LOANS

Appointments to scholarships are determined by merit. In cases of equal proficiency applicants are given preference that have been in residence at the School for one year. In order to hold a scholarship the student must be a candidate for the degree of Master of Forestry and must do full work of high grade. The value of scholarships in the School of Forestry is \$125 each. They are granted for periods of one year, but a student may apply for a scholarship each year while in attendance. The full tuition for the first and second terms is charged against the scholarship; it does not cover the tuition of the summer term.

Applications for scholarships must be in the Dean's office by March 1 preceding the collegiate year. Awards are announced the following June. Applicants for scholarships must submit an official transcript of their previous collegiate work. They should also submit one or more letters of recommendation.

The income from the Goodyear fund of \$15,000, established in 1916 by Mrs. C. W. Goodyear, is available for scholarships.

The William Egbert Wheeler prize for meritorious work in Silviculture is awarded annually to that member of the Junior class who secures the highest standing in both class and field work in Silviculture. The amount of the prize is the income from \$1,000.

A number of University prizes varying in amount from \$50 to \$500 are open to competition by students in all Schools of the University.

The Hubert C. Williams '08 Memorial Fund, which will eventually amount to about \$12,000, is available to the amount of about \$600 per year to lend to worthy students. Loans draw no interest for a period of three years after the applicant completes his course; thereafter, if not paid, loans from this fund bear interest at the rate of 6 per cent per annum.

UNIVERSITY PRIVILEGES

See Section III of this Catalogue.

THE FOREST CLUB

The Forest Club is a student organization which meets at Marsh Hall fortnightly throughout the first and second terms. It directs the social activities of the School and is the agency through which

the students are made acquainted with men of prominence in forestry and allied professions.

Other clubs for research and criticism, such as the Biological Club and the Geological Club, are available for research students in forestry.

FACILITIES FOR STUDY AND RESEARCH

The profession of forestry has so far advanced that there are opportunities for men to specialize in certain branches of the subject. For instance, there is a call for specialists in Silviculture, Forest Products, Dendrology, and Lumbering. Opportunities for advanced work in forestry are offered to graduates of forest schools who are already proficient in the elementary technical subjects and who wish to carry on work along special lines. Advanced courses are offered in Silviculture, Forest Management, Lumbering, and other branches of technical forestry.

In addition to the courses conducted at the University certain field courses are given elsewhere, where the students with their instructors live in camp.

All the subjects of the summer term are given either at the camp near Milford, Pennsylvania, or at the camp on the Keene forest. During the entire period of the second term, courses in lumbering and forest management are conducted at carefully selected localities in the pine region of the southern states. The students, with a corps of instructors, establish camp in a tract of southern pine where extensive lumbering operations are in progress and where conditions relating to both the forest and lumbering are best suited for purposes of instruction.

During the last three weeks of the second term the field work in Silviculture is transferred from the mixed hardwood forests near New Haven to coniferous forests in northern Connecticut and in the White Mountain National Forest near Plymouth, New Hampshire.

During the Easter recess and Christmas holidays, camps are established on one or both of the School forests where students are encouraged to go with their instructors for practice work in Silviculture, Forest Improvements, and Surveying.

EQUIPMENT AT NEW HAVEN.—Marsh Hall has been assigned to the School of Forestry exclusively. The library, offices, herbarium, and the lecture and recitation rooms are in this building. The laboratories and wood collections are in the Botanical wing of the Osborn Memorial Laboratories.

The Library, which is in charge of a trained librarian, contains approximately 17,500 books, pamphlets, and circulars on forestry and related subjects, chiefly in English, French, and German. In the

reading room, the important lumber trade journals and technical forestry journals published in this country and abroad are placed at the disposal of the students.

An herbarium of native and exotic trees and shrubs and of the more important forest herbs is arranged for the use of students. A collection of forest tree fruits and seeds is available for students of Dendrology.

A large collection of domestic and exotic woods is available for students' use and as research material. This collection comprises boards and planks of important economic species. Among exotic species, the Central and South American, West Indian, Hawaiian, and Philippine woods are particularly well represented.

SUMMER CAMPS.—In addition to the plant at New Haven, the School is provided with a complete field equipment for instruction and research. This is located at Milford, Pennsylvania, where work of the summer school is usually conducted. Milford lies on the west bank of the Delaware River, eight miles below Port Jervis, New York. Port Jervis is on the main line of the Erie Railroad.

The camp is located on high, dry ground, about eight hundred feet above sea level, a location which is exceedingly healthful. Adequate and substantial buildings have been erected.

Another summer camp is located on one of the School forests in southern New Hampshire. This camp is in a white pine forest less than two miles from Keene, a town of about 14,000 inhabitants.

FORESTS FOR FIELD WORK AND FOREST PRACTICE.—The School of Forestry conducts field work and practices forestry not only on its own property but also in a number of forests owned by corporations and individuals in various parts of the country which are especially adapted to the field work of each course.

The School of Forestry owns and has under management two extensive forest properties, one a coniferous forest, and the other a mixed hardwood forest.

THE KEENE FOREST.—The School forest at Keene, New Hampshire, comprising about 1,000 acres is in the center of the best white pine region of New England. This property is used by the School for demonstration purposes and for the employment of students during vacations in order to familiarize them more fully with the actual operations of woods work by doing the manual work of liberation cuttings, thinnings, and other field operations. The forest has been mapped and classified as to types and age classes. Planting operations are under way and large areas of young pine are being freed from overtopping hardwoods.

THE DEN.—The forest known as the "Den," recently acquired by the School, has been surveyed and the timber thereon classified as to

types and age classes. It is located in the towns of Redding and Weston, some 40 miles southwest of New Haven. It is in a single area of about 1,500 acres. The forest is almost entirely of mixed oaks, hickories, chestnut, and other hardwoods, with an occasional sprinkling of white pine and hemlock.

THE FORESTS OF THE NEW HAVEN WATER COMPANY.—The forests of the New Haven Water Company are within easy reach of Marsh Hall. Shortly after its organization the School secured the privilege of using these forests, aggregating about 9,000 acres, for experimental and demonstration purposes. A portion of the property has been under forest management since 1900, so that there are already instructive illustrations of silvicultural treatment. A member of the faculty is consulting forester for the company, and in 1913 a working plan was published by the School. Forest nurseries are maintained on the property, and extensive plantings, intermediate and salvage cuttings have been made. The field work in Silviculture is, for the most part, conducted in these forests.

THE MYERS FOREST.—A camp is established for one week during the latter part of the second term on a large private forest estate under management near Union, Connecticut. This forest is composed of stands of mixed hardwoods and white pine and pure stands of pine. The School is gradually developing a forest map and working plan for the property. Thinnings and reproduction cuttings have been made in stands of various ages and permanent sample plots established, which are used for purposes of instruction as well as research.

WHITE MOUNTAIN FOREST.—During the latter part of the second term a camp is established in the White Mountain National Forest, New Hampshire. The men camp for a period of two weeks in old-growth forests, where instruction is given in marking virgin stands and in other silvicultural work.

SOUTHERN FORESTS.—Localities are annually selected in the southern states where field work in Forest Management and Lumbering is conducted during the second term.

INSTRUCTION AND RESEARCH IN TROPICAL FORESTRY

The United States is yearly becoming more closely identified with tropical regions. Her relations with the Philippine Islands, with the Sandwich Islands, and with Cuba intimately link her with tropical interests. Moreover, pan-Americanism is yearly bringing her into closer relation with the South and Central American republics. The work of the School in tropical forestry was undertaken:

First, in order to conduct research in tropical forests and investigate tropical forest products.

Second, to offer instruction in tropical forestry to American students who expect to practice forestry in tropical regions and to foreign students from tropical countries.

Third, to aid in developing national forest policies for tropical countries through the training of a personnel for administrative purposes.

Graduates of the School of Forestry, largely men coming from foreign countries to Yale for study, are now practicing their profession in South America, the West Indies, Canada, South Africa, Europe, India, the East Indies, the Philippine Islands, the Sandwich Islands, China, and Japan. In many of these countries they are among the leaders in their profession. As yet, however, scarcely a beginning has been made in establishing forestry in tropical regions.

Students electing subjects in tropical forestry substitute them for equivalent work in the general course.

THE COMBINED COURSE

This course is established in coöperation between the Sheffield Scientific School of Yale University and the School of Forestry. Its object is to enable students who enter Yale University for their undergraduate work to complete the prescribed work for the baccalaureate degree and for the professional degree, Master of Forestry, in a total of five years.

The work of the combined course is so arranged that it is possible for the student of good ability to combine with his regular four-year schedule the equivalent of the work of the first year in the School of Forestry. The course requires more intensive work on the part of the student and should not be undertaken by those unable or unwilling to devote to it the necessary additional time and effort.

Students who take the combined course are required to spend ten weeks in camp at Milford, Pennsylvania, during the summer between Sophomore and Junior years. Only those students who complete the work of Junior year as shown in the following scheme of studies with an average standing of C+ or higher will be allowed to take the professional forestry studies specified for the combined course in Senior year.

SUBJECTS OF INSTRUCTION

Dendrology A 1. Local Field Dendrology.

Four hours summer term and last ten weeks of first term. Professor RECORD.

Dendrology B 2. General Dendrology.

Two hours first term and four weeks second term. Professor RECORD.

Forest Physiology 3. *General Physiography, Physiography of the United States, Lithology, and Soils.*

Two hours class and two hours laboratory and field work throughout the year. Assistant Professor BUWALDA.

Silviculture A 4. *Foundations of Silviculture; a, Siloics.*

Three hours class and eight hours field work, first term. Professor TOUMEY and Assistant Professor WHITFORD.

Silviculture A 5. *Foundations of Silviculture; b, Research Methods.*

Hours by appointment. Professor TOUMEY.

Silviculture B 6. *Practice of Silviculture. a. Treatment of Woodlands.*

Four hours class work, eight hours and final three weeks field work, second term. Professor HAWLEY.

Silviculture B 7. *Practice of Silviculture. b. Forest Seeding and Planting.*

Two hours class and six hours field work, second term. Professor TOUMEY.

Silviculture B 8. *Practice of Silviculture. c. Research in Applied Silviculture.*

Hours by appointment. Professor HAWLEY.

Forest Protection. Much of the subject matter of forest protection is given under the courses in Treatment of Woodlands and Forest improvements.

Protection from insects and fungi is presented in the following courses:

Forest Protection A 9. *Forest Entomology.*

Nine hours laboratory and field work, first half of second term. Professor COE.

Forest Protection B 10. *Forest Pathology.*

Nine hours laboratory and field work, second half of second term. Dr. CLINTON.

Surveying A 11. *Field Surveying.*

Three hours class and seventeen hours field work, eight weeks of summer term. Assistant Professor FARNHAM.

Surveying B 12. *Office Work.*

Six hours office first term. Assistant Professor KIRBY.

Surveying C 13. *Forest Surveying.*

Three hours class and seventeen hours field work, two weeks of summer term. Professor HAWLEY.

Forest Improvements and Fire Protection 14.

Two hours, first term. Professor BRYANT.

Forest Mensuration 15.

Two hours class and fourteen hours field work, summer term. Professor HAWLEY.

Forest Management A 16. *Forest Finance. (Valuation and Statics.)*

Two hours, ten weeks, first term. Professor CHAPMAN.

Forest Management B 17. *Principles of Management. Forest Organization and Forest Working Plans.*

Four hours, first term, and four weeks, second term. Professor CHAPMAN.

Forest Management C 18. Forest Surveying and Working Plans.

Forty-four hours field work, eight weeks of second term. Professor CHAPMAN.

Forest Management D 19. Forest Finance, Forest Organization, Forest Working Plans.

Hours by appointment. Professor CHAPMAN.

Forest Products A 20. Structure of Wood.

Three hours laboratory, first term. Professor RECORD.

Forest Products B 21. Wood Preservation.

Two hours, first half of second term. Professor RECORD.

Forest Products C 22. Mechanical Properties of Wood.

Two hours, second half of second term. Professor RECORD.

Forest Products D 23. Identification of Woods.

Three hours laboratory, first term. Professor RECORD.

Forest Products E 24. Wood-using Industries.

Two hours, first term. Professor RECORD.

Forest Products F 25. Research.

Hours by appointment. Professor RECORD.

Lumbering A 26. The Lumber Industry.

Four hours, first term and four weeks, second term. Professor BRYANT.

Lumbering B 27. Field Work in Lumbering.

Forty-four hours, four weeks of second term. Professor BRYANT.

Lumbering C 28. Logging.

Hours by appointment. Professor BRYANT.

Forest Economics. Forest Policy and Forest Influences, although parts of the subject matter of Forest Economics, are for convenience and logical presentation taught in Forest Management and Silviculture respectively.

Forest Economics A 29. State Forest Policy.

Two hours, ten weeks of first term. Professor CHAPMAN.

Forest Economics B 30. Federal Forest Policy.

Two hours, first term and four weeks, second term. Professor CHAPMAN.

Forest Economics C 31. History of Forestry.

One hour, first term and four weeks, second term. Professor TOUMEY.

Tropical Forestry A 32. General Tropical Forestry.

Two lectures, first term. Assistant Professor WHITFORD.

Tropical Forestry B 33. Tropical Dendrology and Silvics.

Four hours, first term. Assistant Professor WHITFORD.

Tropical Forestry C 34. Tropical Forest Management and Administration.

Four hours, first term. Assistant Professor WHITFORD.

Tropical Forestry E 35. Forest Products. Tropical Woods.

One hour lecture and two hours laboratory, first term. Professor RECORD.

LECTURES

The following subjects are available for all students in the School of Forestry. They are optional and are not credited in work for the degree of Master of Forestry. The hours are so arranged that they do not conflict with other work. The aim is to give each subject alternate years. For the most part the courses are by specialists who are not members of the faculty. They are all given during the first term.

Development of Forestry and Conservation.

Five lectures. Professor PINCHOT.

Care and Planting of Street and Park Trees.

Ten lectures. Mr. CROMIE.

Grazing.

Eight lectures.

Game and its Relation to Forestry.

Five lectures.

Personal Health and First Aid.

Eight lectures. Dr. ANDERSON.

SECTION VII
=====
INSTITUTIONS CONNECTED WITH
THE UNIVERSITY

INSTITUTIONS CONNECTED WITH THE UNIVERSITY

LIBRARIES

ADDISON VANNAME, M.A., Librarian Emeritus.

ANDREW KEOGH, M.A., Librarian.

CHARLES JAMES BARR, M.A., B.L.S., Assistant Librarian.

MAY HUMPHREYS, B.A., Head of Purchase Department.

ANNA MARIE MONRAD, B.S., Head Cataloguer.

ANNE STOKLEY PRATT, B.A., Assistant Reference Librarian.

REV. HARLAN PAGE BEACH, D.D., Librarian of the Day Missions Library.

EDWIN MONTEFIORE BORCHARD, LL.B., PH.D., Librarian of the School of Law.

REV. ALBERT TOBIAS CLAY, PH.D., LL.D., Librarian of the American Oriental Society.

JOHN IRELAND HOWE DOWNES, B.F.A., Librarian of the School of the Fine Arts.

REV. FRANK CHAMBERLIN PORTER, PH.D., D.D., Librarian of the Trowbridge Reference Library.

CURATORS

KAN-ICHI ASAKAWA, PH.D. (Japanese and Chinese Collections.)

THOMAS ROSSITER BARNUM, B.A. (Yale Memorabilia.)

HIRAM BINGHAM, PH.D., LITT.D. (Collection on Latin American History.)

EDWIN MONTEFIORE BORCHARD, LL.B., PH.D. (A. S. Wheeler Roman Law Library.)

EDWARD THEODORE NEWELL, M.A. (Numismatic Collections.)

WILLIAM ALFRED SPECK, M.A. (Collection of Classical German Literature.)

LIBRARIAN'S OFFICE

MARY COUCH WITHINGTON, B.A., Private Secretary to the Librarian.

Mrs. GERTRUDE AUGUSTA BLOOR, Bookkeeper.

PURCHASE DEPARTMENT

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MRS. HENRIETTA CLARK GILBERT.
MAYNARD RAY SANBORN.
GILBERT MCCOY TROXELL, B.A.
ELIZABETH MARIA TRUMBULL.
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GRACE PIERPONT FULLER, M.A.
HELEN BARBARA SOULE.
EDITH IRENE WRIGHT, Cataloguer.

CATALOGUE

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Oriental Society.
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ELIZABETH STROUT, B.A.
REBECCA DUTTON TOWNSEND.
KATHERINE WARREN, B.S., Medical Librarian.
MARJORIE WILDES.

DELIVERY DESK AND STACKS

HENRY ROBERT GRUENER.
GEORGE ALEXANDER JOHNSON, In charge of the Linonian and Brothers
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HENRY GINTER.
MRS. CLARA CHARLOTTE LAIRD, B.A.
HELEN ROSINA TANNER.

DEPARTMENTAL ASSISTANTS

ELIZABETH FORGEUS, Assistant Librarian in the School of Law.

Mrs. MARGARET LEAVENWORTH MOODY, In charge of the Day Missions Library.

LAURA FRANCIS PHILBROOK, In charge of the Library of the Brady Laboratory.

AUGUSTA LADD RUBIN, B.A., Assistant, Library of the School of Law.

MARIAN SHAW, B.A., In charge of the School of Forestry Library.

Mrs. HELEN M. WALKER, M.A., In charge of the Library of the Department of Education.

MARY KAY WOODSON, Librarian in the School of Music.

The Standing Committee on the University Library, appointed by the Corporation, consists, for the year 1920-21, of the President, the Provost, the Librarian (chairman), Dean ANGIER, Professors DAY, SWAN, TILDEN, TINKER, and UNDERHILL.

THE University Library is open on week days throughout the year with the exception of the seven leading holidays. The Library hours during term time are from 8.30 A. M. to 10.00 P. M.; during vacations, from 8.30 A. M. to 5.00 P. M. On Saturdays during vacations the Library is closed at 1.00 P. M. The delivery of books for use outside the library buildings ceases throughout the year at 5.00 P. M.; in the case of the LINONIAN AND BROTHERS LIBRARY at 10.00 P. M. on week days during term time.

The LINONIAN AND BROTHERS LIBRARY, in the second story of Chittenden Hall, is open on Sundays from 2.00 to 10.00 P. M. It is designed primarily for the use of the officers and students of the University, but others may be admitted to its privileges at the discretion of the Librarian. The same room contains the UNIVERSITY READING ROOM, in which are found books of reference and such books as are reserved for special use in connection with different courses of study.

The PERIODICAL READING ROOM, in the first story of Chittenden Hall, contains above 700 of the leading scholarly periodicals. It is open during term time from 8.30 A. M. to 10.00 P. M. daily, and from 2.00 to 10.00 P. M. on Sundays.

The MEDICAL READING ROOM, in the north wing of the Old Library, is open during term time from 8.30 A. M. to 10.00 P. M. daily, and from 2.00 to 10.00 P. M. on Sundays.

The COLLEGE READING ROOM, in Dwight Hall, is open during term time from 8.00 A. M. to 9.00 P. M., and on Sundays from 1.00 to 9.00 P. M.

The HISTORY READING ROOM, on the second floor of the Freshman office building at 120 College Street is open during term time from 8.30 A.M. to 10.00 P.M. daily, and from 2.00 to 10.00 P.M. on Sundays.

The University Library, of over 1,250,000 volumes, is described in Section III of this Catalogue. The following special libraries are connected with the various Schools and Departments of the University.

Subject or Name	Location	Approximate Number of Books	
<i>Art School</i>	Art School	1,300	
<i>Astronomy</i>	Observatory	7,500	
<i>Babylonian Seminary</i>	Edwards Hall		
<i>Biblical Literature</i>	Fayerweather Hall	1,200	
<i>Biblical Literature and Missions</i>	Dwight Hall	1,450	
<i>Biology</i>	Sheffield Laboratory of Physiological Chemistry	1,300	[chiefly bound periodicals]
<i>Botany</i>	Osborn Memorial Laboratories	4,000	[periodicals and herbarium]
<i>Business Organization</i>	Dunham Lab. of Eng.		
<i>Charities and Correction</i>	Taylor Hall		
<i>Chemistry</i>	Sheffield Chemical Laboratory	5,000	[chiefly bound periodicals]
<i>Chemistry</i>	Kent Chemical Laboratory	1,000	[manuals and periodicals]
<i>Classical Club</i>	Phelps Hall	4,560	
<i>Comparative Anatomy</i>	Peabody Museum		
<i>Electrical Engineering</i>	Dunham Lab. of Eng.		
<i>Engineering</i>	Winchester Hall	800	[chiefly manuals]
<i>Forestry</i>	Marsh Hall	8,300	[standard works and periodicals]
<i>Geology and Mineralogy</i>	Peabody Museum	20,000	
<i>Germanic Seminary</i>	Lampson Hall	1,500	
<i>History Seminary</i>	25 Linsly Hall	425	
<i>Mathematical Seminary</i>	Sloane Lecture Hall	1,000	
<i>Mathematics</i>	Sheffield Hall	10,000	
<i>Medicine</i>	Brady Pathological Laboratory		
<i>Metallurgy</i>	Hammond Laboratory	2,300	
<i>Mineralogy, Geology, and Physiography</i>	Kirtland Hall	15,000	
<i>Missions</i>	Day Library	18,000	
<i>Music</i>	Sprague Hall	1,400	[including musical scores]
<i>Music (Lowell Mason Library)</i>	Sprague Hall	6,000	

Subject or Name	Location	Approximate Number of Books	
<i>Law</i>	Hendrie Hall	42,000	
<i>Law</i> (A. S. Wheeler Roman Law Library)	Hendrie Hall	12,000	
<i>Philosophy Seminary</i>	Chittenden Hall	12,000	
<i>Physics</i>	Winchester Hall	550	[chiefly bound periodicals]
<i>Physics</i>	Sloane Physics Laboratory	6,000	[manuals and periodicals]
<i>Political Science Club</i>	Sloane Lecture Hall		
<i>Psychology</i>	Psychological Laboratory	200	
<i>Romance Seminary</i>	Lampson Hall	600	
<i>Theology</i>	Trowbridge Reference Library	13,270	[standard theological works]
<i>Social Sciences</i> (Boocock Library)	Chittenden Hall	700	[chiefly anthropological]

YALE UNIVERSITY PRESS

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ELTON PARKS, '04, Secretary.

Offices: 143 Elm St., New Haven, Conn.

19 E. 47th St., New York City.

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Y. M. C. A.

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...

The Graduate Advisory Committee for the University Christian Association known as the Board of Directors consists of the following: WILLIAM EDWARD SCHENCK GRISWOLD, '99, Chairman; RICHARD CARY MORSE, '62, Vice-Chairman; HERBERT HAROLD VREELAND, JR., '12 S., Secretary; FREDERICK HOLME WIGGIN, JR., '04, Treasurer; VANCE CRISWELL McCORMICK, '93 S.; FREDERICK TRUBEE DAVISON, '18; ARTHUR HOWE, '12; MORGAN PHELPS NOYES, '14; HENRY WISE HOBSON, '14.

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Professor CLARENCE WHITTLESEY MENDELL.

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Director RUSSELL HENRY CHITTENDEN.
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The Board of Control derives its authority from the following vote of the Corporation passed October 16, 1916: "Voted that the Board of Control of the Yale University Athletic Association be directed to assume jurisdiction on behalf of the Corporation in all matters relating to the conduct and management of athletic sports within and without the precincts of the University."

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UNIVERSITY BOARD OF HEALTH

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LOUIS HERMAN NAHUM, M.D., Medical Assistant.
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HENRY W. RING, M.D., Diseases of Eye.
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ROBERT BREWSTER SEABURY, M.D., Medical Assistant.

ALUMNI ASSOCIATIONS

ALUMNI ORGANIZATION

THERE is not at Yale any central Alumni Association. The organization of graduates is by groups according to classes of graduation, localities of residence, or special interests. Classes, beginning with that of 1792, have issued biographies of their members and records of their graduate organizations. Local Alumni Associations started with that of Cincinnati, established in 1856. The University Secretary's Office publishes the alumni catalogues and directories and assists in many ways in alumni work and organization.

Important alumni organizations include the following:

Yale in China (Yale Foreign Missionary Society, Inc.)

President, Clarence H. Kelsey, '78, 176 Broadway, New York, N. Y.

General Secretary, Edward H. Hume, '97.

Treasurer and Executive Secretary, H. Harold Vreeland, Jr., '12 S.

Assistant Secretary and Assistant Treasurer, Rachel A. Dowd, B.A.

Office, 5 White Hall, Yale University, New Haven, Conn.

Yale Engineering Association

President, Francis C. Pratt, '88 S., General Electric Co., Schenectady, N. Y.

Secretary, Ely M. T. Ryder, '96 S., 23 Edgehill Terrace, Yonkers, N. Y.

Association of Yale Men in Advertising

President, Gilbert Kinney, '05, 244 Madison Ave., New York, N. Y.

Secretary, Eliot L. Wight, '18, 244 Madison Ave., New York, N. Y.

The Yale Publishing Association, Inc., publishers of *The Yale Review* and *The Yale Alumni Weekly*.

The Yale Review

Editor, Dean Wilbur L. Cross, '85.

Office, Gibbs Hall, Yale University.

The Yale Alumni Weekly

Editor and Manager, Edwin Oviatt, '96.

Office, 120 High St., New Haven, Conn.

Class organizations are affiliated in the following associations:

Yale Associations of Class Secretaries

President, Edwin L. Dillingham, '82, 599 Fifth Ave., New York, N. Y.

Secretary, Rev. John M. Deyo, '08, '10 D., Ridgefield, Conn.

Yale Alumni University Fund Association

Chairman, Thatcher M. Brown, '97, 59 Wall St., New York, N. Y.

Secretary, George E. Thompson, '95 S., 208 Madison Ave., New York, N. Y.

Alumni Associations† exist in ninety (90) cities and states of this and foreign countries. Each Alumni Association having one hundred or more members is entitled to one representative, and each Alumni Association with two hundred or more members is entitled to two representatives on the Alumni Advisory Board, the membership of which is given with the lists of "Officers of the University" on the opening pages of this Catalogue. Associations in three sections of the country have affiliated as follows:

Associated New England Yale Clubs

President, Francis R. Cooley, '86, 31 Woodland St., Hartford, Conn.

Secretary, Arthur A. Thomas, '01, 49 Westminster St., Providence, R. I.

† Dagger denotes Alumni Associations maintaining scholarships.

†Associated Southern Yale Clubs

President, Walter A. Sadd, '84 S., Chattanooga Savings Bank, Chattanooga, Tenn.

Secretary, Henry B. Pickens, '15 S., care Read Hosiery Mills, Chattanooga, Tenn.

Associated Western Yale Clubs

President, Thomas S. Arbuthnot, M.D., LL.D., '94, 6425 Fifth Ave., Pittsburgh, Pa.

Secretary, William P. Snyder, Jr., '10 S., W. P. Snyder & Co., Pittsburgh, Pa.

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Arizona, Yale Alumni Association of

President, John C. Greenway, '95 S., Calumet & Arizona Mining Co., Warren, Ariz.

Secretary, Charles A. Mitke, '08, Box 2051, Bisbee, Ariz.

Bangor, Yale Club of

President, Eugene B. Sanger, M.D., '91 S., 42 Broadway, Bangor, Maine.

Secretary, Irving L. Fisher, '00, 12 Central St., Bangor, Maine.

Berkshire County (Mass.), Yale Alumni Association of

President, Rosewell M. Curtis, '10, Curtis Hotel, Lenox, Mass.

Secretary, Frederic A. Pease, '11, 38 Elizabeth St., Pittsfield, Mass.

†Boston, Yale Club of

President, Prof. Harvey Cushing, M.D., '91, Peter Bent Brigham Hospital, Fenway Sta., Boston, Mass.

Secretary, Mortimer A. Seabury, '09, 111 Devonshire St., Boston, Mass.

Bristol, Yale Club of

President, Edward Ingraham, '10, Bradley St., Bristol, Conn.

Secretary, S. Russell Mink, '13, 16 Spring St., Bristol, Conn.

†Buffalo, Yale Alumni Association of

President, Chauncey J. Hamlin, '03, 1014 Delaware Ave., Buffalo, N. Y.

Secretary, Lawrence G. Williams, '16, 60 Oakland Pl., Buffalo, N. Y.

Central Ohio, Yale Alumni Association of

President, John M. Vorys, '18, 441 E. Town St., Columbus, Ohio.

Secretary, George W. Lindenberg, '02, 42 Auburn Ave., Columbus, Ohio.

Central Pennsylvania, Yale Alumni Association of

President, Benjamin M. Nead, '70, Box 45, Harrisburg, Pa.

Secretary, Carl W. Davis, '02, Box 687, Harrisburg, Pa.

Chattanooga, Yale Club of

President, Walter A. Sadd, '84 S., Chattanooga Savings Bank, Chattanooga, Tenn.

Secretary, Eugene M. Thomasson, '12, 324 McCallie Ave., Chattanooga, Tenn.

†Chicago, Yale Club of

President, John H. Winterbotham, '97, 8 South Dearborn St., Chicago, Ill.
Secretary, Albert B. Dick, Jr., '15, 730 West Jackson Boulevard, Chicago, Ill.

Cincinnati Yale Club

President, George S. Haydock, '97, Standard Carbonic Co., Cincinnati, Ohio.
Secretary, John B. Hollister, '11, 44 Wiggins Block, Cincinnati, Ohio.

†Cleveland, Yale Alumni Association of

President, Elton Hoyt, 2d, '10, 801 Western Reserve Bldg., Cleveland, Ohio.
Secretary, Frank E. House, Jr., ex-'13, The Powers-House Co., Cleveland, Ohio.

Colorado, Yale Association of

President, J. Foster Symes, '00 S., Symes Bldg., Denver, Colo.
Secretary, Walker VanRiper, '09, Cooper Bldg., Denver, Colo.

Dallas Yale Men's Club

President, Charles J. Stewart, '18, 5650 Swiss Ave., Dallas, Texas.
Secretary, Harold F. Volk, '17, 4202 Swiss Ave., Dallas, Texas.

Dayton, Yale Club of

Secretary, Joseph Dart, Jr., '06, Oakwood, Dayton, Ohio.

Delaware, Yale Alumni Association of

Acting Secretary, W. Poyntell Johnston, '03, care Laird & Co., duPont Bldg., Wilmington, Del.

Erie, Yale Alumni Association of

President, John C. Diehl, '87, 510 Myrtle St., Erie, Pa.
Secretary, Fred L. Kennedy, Jr., '17 S., West Lake Road, R. F. D. 1, Erie, Pa.

Essex County (N. J.), Yale Alumni Association of

President, H. Lloyd Folsom, '11, The H. & D. Folsom Arms Co., 314 Broadway, New York, N. Y.
Secretary, Stephen T. Kelsey, '09, Title Guarantee & Trust Co., 176 Broadway, New York, N. Y.

Evanston Yale Club

President, William D. Allen, '78 S., 566 W. Lake St., Chicago, Ill.
Secretary, Newell S. Knight, ex-'19, 1847 Ashbury Ave., Evanston, Ill.

Fairfield County (Conn.) Yale Alumni Association

President, John W. Banks, '89, County Court House, Bridgeport, Conn.

Fort Worth, Yale Club of

President, William P. Bomar, '08 S., Bewley Mills, Fort Worth, Texas.
Secretary, Zeno C. Ross, '11, 203 Burk Burnett Bldg., Fort Worth, Texas.

France, Yale Alumni Association of

President, Laurence V. Benét, '84 S., 22 Rue Caumartin, Paris, France.
Secretary, Paul B. Badger, '11, care Vacuum Oil Co., 34 Rue du Louvre, Paris, France.

Georgia, Yale Alumni Association of

President, Morris Brandon, '84 L., Atlanta Trust Company Bldg., Atlanta, Ga.

Secretary, Albert E. Thornton, '06, 1404 Empire Bldg., Atlanta, Ga.

Great Britain, Yale Alumni Association of

Secretary, Lewis P. Sheldon, '96, care Salmon & Co., 2 Austin Friars, London, E. C. 2, England.

†Hartford, Yale Alumni Association of

President, Harrison B. Freeman, '92, 50 State St., Hartford, Conn.

Secretary, John W. Joy, '01, 650 Main St., Hartford, Conn.

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President, Robbins B. Anderson, '99, 507 Stangenwald Bldg., Honolulu, H. T.

Secretary, Harry Steiner, '14, Box 1306, Honolulu, H. T.

Houston Yale Club

President, Alexander S. Cleveland, '94, 8 Courtlandt Pl., Houston, Texas.

Secretary, Craig F. Cullinan, '17 S., 1917 S. Main St., Boulevard, Houston, Texas.

University of Illinois, Yale Club of

President, David Kinley, Ph.D., LL.D., '84, 1203 W. Nevada St., Urbana, Ill.

Secretary, John J. Parry, Ph.D., '12, University of Illinois, Urbana, Ill.

Indiana, Yale Alumni Association of

President, Elias C. Atkins, *ex*-'19, care E. C. Atkins & Co., Indianapolis, Ind.

Secretary, Evans Woollen, Jr., *ex*-'20, 1321 N. Meridian St., Indianapolis, Ind.

Japan, Yale Association of

President, Viscount Nagamoto Okabe, '82 S., 2 Kinsuke-cho, Hongo-Ku, Tokio, Japan.

Vice-President, J. Trumbull Swift, '84, 1833 Shimo-shibuya, Tokio, Japan.

†Kansas City, Yale Alumni Association of

President, Paul M. Mohr, '01, Zenith Milling Co., Kansas City, Mo.

Secretary, J. Peter Tiernan, *ex*-'14 S., 910 Commerce Bldg., Kansas City, Mo.

†Kentucky, Yale Alumni Association of

President, George W. Norton, Jr., '85 S., Cherokee Park, Louisville, Ky.

Secretary, Sevier Bonnie, '14 S., 34th and Tyler Aves., Louisville, Ky.

Long Island Yale Alumni Association

President, Almet F. Jenks, '75, Appellate Division, Second Department, Supreme Court, Brooklyn, N. Y.

Secretary, Henry C. Martin, '02 S., 25 Madison Ave., New York, N. Y.

Louisiana Yale Alumni Association

President, Prof. Allan Eustis, M.D., '98 S., 3621 Prytania St., New Orleans, La.

Secretary, Walter J. Stauffer, *ex-'15* S., care Stauffer-Eshleemann & Co., 511 Canal St., New Orleans, La.

Madison, Yale Alumni Association of

President, Charles S. Sheldon, M.D., '63, 251 Langdon St., Madison, Wis.

Secretary, Carlile P. Winslow, '05 S., Forest Products Laboratory, Madison, Wis.

Maine Yale Alumni Association

President, Harry M. Verrill, '89 S., 57 Exchange St., Portland, Maine.

Secretary, Harold R. Edwards, '09, 65 West Broadway, Bangor, Maine.

Maryland, Yale Alumni Association of

President, Morgan H. Bowman, Jr., McDonogh School, McDonogh, Md.

Secretary, Harold W. Smith, '14 S., care The Anodion Metal Co., 124 South St., Baltimore, Md.

Memphis, Yale Club of

President, Walter P. Armstrong, '06, Bank of Commerce & Trust Company Bldg., Memphis, Tenn.

Secretary, Robert A. Young, '17 L., Union & Planters Bank Bldg., Memphis, Tenn.

Meriden Yale Alumni Association

President, Edward T. Bradstreet, M.D., '74, 170 Colony St., Meriden, Conn.

Secretary, Roswell B. Hyatt, '03, 67 E. Main St., Meriden, Conn.

Michigan Yale Alumni Association

President, Israel T. Cowles, '77, Union Trust Bldg., Detroit, Mich.

Secretary, Kenneth L. Moore, '14, 715 Van Dyke Ave., Detroit, Mich.

Montclair, Yale Alumni Association of

President, Philip Goodell, '04, 265 Midland Ave., Montclair, N. J.

Naugatuck Valley, Yale Alumni Association of the

President, Frederick S. Chase, '87, 165 Grove St., Waterbury, Conn.

Secretary, Allen H. Boardman, '16, 452 Willow St., Waterbury, Conn.

Nebraska, Yale Alumni Association of

President, John W. Madden, '07 S., Bee Bldg., Omaha, Nebr.

Secretary, Francis S. Gaines, '17, 529 First National Bank Bldg., Omaha, Nebr.

†New Haven, Yale Alumni Association of

President, Clarence Blakeslee, '85 S., 63 Dwight St., New Haven, Conn.

Secretary, Eugene B. Underwood, '96 S., 59 Elm St., New Haven, Conn.

†New Mexico Yale Alumni Association

President, John J. Nairn, '80, Casa del Gavilan, Cimarron, N. Mex.

Secretary, Laurence F. Lee, '13 L., First National Bank Bldg., Albuquerque, N. Mex.

New York City, Yale Club of

President, Mortimer N. Buckner, '95, 50 Vanderbilt Ave., New York, N. Y.

Secretary, Livingston Platt, '07, 50 Vanderbilt Ave., New York, N. Y.

North Carolina, Yale Alumni Association of

President, Charles J. Harris, *ex-'74*, Dillsboro, N. C.

Secretary, Robert W. Harris, *ex-'08*, Dillsboro, N. C.

North China, Yale Alumni Association of

President, Chin-tao Chen, '06 Ph.D., Imperial Bank, Peking, China.

Secretary, Forsythe Sherfesse, '05 F., Bureau of Forestry, Peking, China.

†Northeastern New York Yale Alumni Association

President, George W. VanSlyke, '95 S., 471 Broadway, Albany, N. Y.

Acting Secretary, Charles B. Heisler, '07, 115 S. Lake Ave., Albany, N. Y.

†Northern California, Yale Alumni Association of

President, William B. Bosley, '92 and '94 L., University Club, San Francisco, Calif.

Secretary, James W. Paramore, '11 S., 310 Sansome St., San Francisco, Calif.

Northern Valley of New Jersey, Yale Alumni Association of the

President, Arthur C. Sherwood, '97, Dana Pl., Englewood, N. J.

Secretary, Russell J. Carter, '15, Walnut St., Englewood, N. J.

†Northwest, Yale Alumni Association of the

President, Sumner T. McKnight, '07, McKnight Bldg., Minneapolis, Minn.

Secretary, Walter H. Mills, '11, Washburn-Crosby Company, Minneapolis, Minn.

Oklahoma Yale Club

President, Douglas W. Franchot, '03 S., 808 S. Cheyenne St., Tulsa, Okla.

Secretary, Joseph F. Rumsey, '11, Box 902, Oklahoma City, Okla.

Oregon Yale Alumni Association

President, Hopkin Jenkins, '00, 694 Marshall St., Portland, Ore.

Secretary, Thornton T. Munger, '05, 406 Post Office Bldg., Portland, Ore.

†Philadelphia, Yale Alumni Association of

President, George Woodward, M.D., '87 and '88 S., Chestnut Hill, Philadelphia, Pa.

Secretary, Frederick M. Thayer, '18, The Sun Co., Finance Bldg., Philadelphia, Pa.

Philadelphia, Yale Club of

President, Edward M. Biddle, '06, 604 Land Title Bldg., Philadelphia, Pa.

Secretary, Rowland Evans, '11, care Platt, Yungman & Co., 400 Walnut St., Philadelphia, Pa.

Philippine Islands, Yale Alumni Association of the

Secretary, William R. Babcock, '09, care Babcock & Templeton, Inc., Manila, P. I.

Plainfield Yale Club

President, Henry L. deForest, '97, 30 Broad St., New York, N. Y.

Secretary, Edgar W. Freeman, '12, 40 Wall St., New York, N. Y.

Reading, Yale Club of

President, Herbert R. Green, '85, 612 Washington St., Reading, Pa.

Secretary, Randolph Stauffer, '03, 521 Court St., Reading, Pa.

†Rhode Island, Yale Association of

President, Alfred M. Coats, '91, 77 Williams St., Providence, R. I.

Secretary, William S. Innis, '14, Box 474, Providence, R. I.

†Rochester, Yale Alumni Association of, Inc.

President, Paul Howard McG. Converse, '09, 116 Cutler Bldg., Rochester, N. Y.

Secretary, E. Clinton Wolcott, '08 S., care Curtice Brothers Co., Rochester, N. Y.

†St. Louis, Yale Alumni Association of

President, Benjamin H. Charles, '91 L., Merchants-Laclede Bldg., St. Louis, Mo.

Secretary, Herbert N. Arnstein, '05, 909 Federal Reserve Bank Bldg., St. Louis, Mo.

Santa Barbara Chapter of the Southern California Alumni Association

President, Nathaniel S. Kaime, *ex-'90* S., Santa Barbara, Calif.

Secretary, Arthur E. Gilvly, '11 S., Santa Barbara, Calif.

Savannah Yale Club

President, William W. Gordon, '86 S., 10 Oglethorpe Ave., E., Savannah, Ga.

Secretary, Percival S. Moses, E.M., '12 S., 1210 East 49th St., Savannah, Ga.

Schenectady, Yale Alumni Association of

President, Henry W. Peck, '97 S., Adirondack Power & Light Corporation, Schenectady, N. Y.

Secretary, Albert A. Rourke, '19 S., Turbine Sales Department, General Electric Co., Schenectady, N. Y.

Scranton, Yale Alumni Association of

President, David Boies, '04, 600 Clay Ave., Scranton, Pa.

Secretary, J. Curtis Platt, '10, 600 Webster Ave., Scranton, Pa.

†Seattle Yale Club

President, Andrew J. Balliet, '92, 320 Railway Exchange Bldg., Seattle, Wash.

Secretary, Charles T. Donworth, '14, 527 County-City Bldg., Seattle, Wash.

Shanghai, Yale Club of

President, Mun-yew Chung, '83, 28 Seymour Rd., Shanghai, China.

Secretary, Cheng-hsü H. Wang, '16, care Chung Mei Trading Corporation, 2 Hong Kong Road, Shanghai, China.

South Carolina, Yale Alumni Association of

President, John C. Simonds, '87, First National Bank, Charleston, S. C.

Secretary, Henry Buist, '84, 30 Broad St., Charleston, S. C.

†Southern California, Yale Alumni Association of

President, Rudolph E. Seiler, '15, 532 N. Wilton Pl., Los Angeles, Calif.

Secretary, Kimpton Ellis, *ex-'11*, Spec. Law, Dexter, Ellis & Seecombe, Washington Bldg., Los Angeles, Calif.

Southern Pennsylvania, Yale Alumni Association of

President, Francis Farquhar, '88 S., York, Pa.

Secretary, Henry D. Schmidt, '13 S., 900 S. George St., York, Pa.

Southwestern Yale Club

Secretary, Sigismund Engelking, '00, 201 Prudential Bldg., San Antonio, Texas.

Spokane, Yale Club of

President, William H. Cowles, '87, care *Morning Spokesman-Review*, Spokane, Wash.

Secretary, Stoddard King, '14, care *Morning Spokesman-Review*, Spokane, Wash.

Syracuse, Yale Alumni Association of

Vice-President, A. Huntington Lewis, '04, Cahill Bldg., Syracuse, N. Y.

Secretary, Paul Shipman Andrews, '09, Sedgwick, Andrews & Kennedy Bldg., Syracuse, N. Y.

Texas Yale Association

President, Royall R. Watkins, *ex-'08*, 1002 Main St., Dallas, Texas.

Secretary, Sigismund Engelking, '00, 201 Prudential Bldg., San Antonio, Texas.

Toledo, Yale Alumni Association of

President, Laurance B. Beckwith, '02, Gardner Bldg., Toledo, Ohio.

Secretary, Aaron L. Kelsey, 2d, '08 S., 2255 Robinwood Ave., Toledo, Ohio.

Utah, Yale Alumni Association of

President, Harold P. Fabian, '07, 409 Kearns Bldg., Salt Lake City, Utah.

Secretary, Seth W. Morrison, Jr., '17, 32 Seventh East St., Salt Lake City, Utah.

Utica and Vicinity, Yale Club of

President, Frederick S. Kellogg, '87 S., 286 Genesee St., Utica, N. Y.

Secretary, Henry D. Pixley, 2d, 15 S., 396 Genesee St., Utica, N. Y.

Vermont, Yale Alumni Association of

President, Fred E. Gleason, '05, Rialto Bldg., Montpelier, Vt.

Secretary, Henry H. Jackson, '08, 20 S. Main St., Barre, Vt.

Virginia, Yale Club of

President, Richard Armstrong, '95 S., Hampton, Va.

Secretary, William H. Scoville, '95, Hampton Institute, Hampton, Va.

†Washington, D. C., Yale Alumni Association of

President, William S. Culbertson, Ph.D., LL.D., '08, U. S. Tariff Commission, Washington, D. C.

Secretary, John J. Cameron, '15, 1906 N St., Washington, D. C.

Westchester County (N. Y.), Yale Alumni Association of
President, Burwell M. Crosthwaite, '02 S., 45 John St., New York, N. Y.
Secretary, Harry J. Mold, '03 S., 16 Primrose Ave., Mt. Vernon, N. Y.

Western Massachusetts, Yale Alumni Association of
President, Thomas L. Jefferson, Jr., '04, Package Machinery Co., Springfield, Mass.
Secretary, W. Kirk Kaynor, *ex-'12*, 786 State St., Springfield, Mass.

Western Michigan, Yale Alumni Association of
President, Philo C. Fuller, '81, 54 Lafayette Ave., N. E., Grand Rapids, Mich.
Secretary, Marcus B. Hall, '05, The Meadows, Alger and Madison Aves., Grand Rapids, Mich.

†Western Pennsylvania, Yale Alumni Association of
President, Julian Burdick, *ex-'02*, care West Penn Steel Co., Brackenridge, Pa.
Secretary, William P. Snyder, Jr., '10 S., W. P. Snyder & Co., Box 1912, Pittsburgh, Pa.

†Wisconsin, Yale Alumni Association of
President, Nathan Glicksman, '91, 485 Terrace Ave., Milwaukee, Wis.
Secretary, Haskell Noyes, '08, 10 Mitchell Bldg., Milwaukee, Wis.

Worcester, Yale Club of
President, Prof. Arthur W. Ewell, Ph.D., '97, 90 Park Ave., Worcester, Mass.
Secretary, Carl R. Brownell, '10 S., 3 Westland St., Worcester, Mass.

Wyoming Valley, Yale Alumni Association of the
President, Franck G. Darte, '96 S., 405 Coal Exchange Bldg., Wilkes-Barre, Pa.
Secretary, Charles B. Waller, '12, 704 Miners Bank Bldg., Wilkes-Barre, Pa.

SECTION VIII

**UNIVERSITY FELLOWSHIPS, SCHOLAR-
SHIPS, AND PRIZES**

**UNIVERSITY LECTURERS AND
PREACHERS**

FELLOWSHIPS

[Unless otherwise indicated in parenthesis the Fellowships following are for the students in the Graduate School.]

The **JOHN J. ABERNETHY FELLOWSHIP**.—Founded by fund of \$10,000 from Dr. John Jay Abernethy. To recent graduates of the College.

The **MARSHALL S. BIDWELL FELLOWSHIP**.—Established in 1908 by fund of \$10,000 from Benjamin Douglas Silliman (B.A. 1824). Awarded for research in literature and science, to a graduate of the College.

The **BULKLEY FELLOWSHIP IN AMERICAN HISTORY**.—Founded in 1901 by fund of \$10,000 from Jonathan Bulkley (B.A. 1879). Awarded for graduate study in American History.

The **CURRIER FELLOWSHIPS**.—Founded in 1908 from the Nathaniel Currier Scholarship Fund by Mrs. Lura Currier. For graduates of all colleges.

The **CURRIER FELLOWSHIPS (2)**.—For graduate study in history.

The **CARROLL CUTLER FELLOWSHIP**.—Founded in 1912 by fund of \$12,000 from Mrs. Frances E. Cutler. For graduate fellowship for men.

The **SUSAN RHODA CUTLER FELLOWSHIP**.—Founded in 1912 by fund of \$12,000 from Mrs. Frances E. Cutler. For graduate fellowship for women.

The **CUYLER FELLOWSHIP**.—Established in 1899 by fund of \$10,000 from Thomas DeWitt Cuyler (B.A. 1874), Cornelius C. Cuyler, and Eleanor DeGraff Cuyler. For graduates of the College.

The **JAMES DWIGHT DANA FELLOWSHIP**.—Founded upon the James Dwight Dana Memorial Fund. For graduate research in geology.

The **DAY FELLOWSHIP**.—Established by fund of \$15,000 from Mrs. Olivia Hotchkiss Day for proficiency in studies. (Divinity School.)

The **DOUGLAS FELLOWSHIP**.—Established in 1873 by fund of \$10,000 from Mrs. Samuel Miller. For graduate of College, pursuing non-professional studies in New Haven.

The **DUPONT FELLOWSHIP**.—Established by E. I. duPont de Nemours and Company of Wilmington, Del. For research in chemistry.

THE ELLEN BATTELL ELDRIDGE FELLOWSHIPS (2).—Established in 1894 by fund of \$24,000 from the bequest of Mrs. Azariah Eldridge. For graduates of the College.

THE FOOTE FELLOWSHIPS.—Established in 1873 by fund of \$25,000 from Harry W. Foote (B.A. 1866) of New Haven. For study in Philosophy and the Arts by graduates of the College.

THE HOOKER-DWIGHT FELLOWSHIP.—Established in 1876 by President Dwight in the Divinity School, and combined with the Dwight Fund for a traveling fellowship. (Divinity School.)

THE HENRY S. HUNTINGTON FELLOWSHIP.—\$500, the gift of Henry Strong Huntington, Jr. (B.A. 1904), in 1919. Preference given to candidate for degree of Doctor of Philosophy approved by the Research Associate in Geography.

THE SCOTT HURTT FELLOWSHIP.—Established in 1893 by fund of \$12,000 from Mrs. Sarah I. Hurtt. For graduate of the College of not more than four years' standing.

THE MARY E. IVES FELLOWSHIP IN PHILOSOPHY.—Founded in 1908 by fund of \$10,000 from Mrs. Mary E. Ives of New Haven, Conn. Awarded to woman graduate of any college.

THE ALEXANDER KOHUT RESEARCH FELLOWSHIP.—Established in 1919 by George Alexander Kohut in memory of Alexander Kohut. For research in Semitics. Preference given to graduate who has the Doctorate.

THE LARNED SCHOLARSHIPS (3).—Founded in 1877 by Mrs. Irene Larned and augmented by bequest from Mrs. Urania B. Humphrey. Awarded to member of Senior class in Yale College.

THE LOOMIS FELLOWSHIP IN PHYSICS.—Founded in 1902 by fund of \$10,000 from Professor Francis E. Loomis (B.A. 1864). Awarded to candidate for degree of Doctor of Philosophy.

THE HENRY BRADFORD LOOMIS FELLOWSHIP IN CHEMISTRY.—Founded in 1905 by fund of \$10,000 from Henry Bradford Loomis (B.A. 1875). For graduates of Universities who have spent one year in study of chemistry in the Graduate School. To candidates for degree of Doctor of Philosophy.

THE MACY SCHOLARSHIP.—Founded in 1865 by fund of \$10,000 from the bequest of Rev. William A. Macy (B.A. 1844) of Shanghai, China. Awarded to recent graduate of College for distinguished scholarship.

THE JOHN ADDISON PORTER MEMORIAL FELLOWSHIP.—Established in 1901 by fund of \$10,000 from Mrs. Josephine S. Porter,

Awarded to graduate of College or Sheffield Scientific School for excellence in English.

THE HENRY C. ROBINSON SCHOLARSHIP.—Founded in 1900 by fund of \$5,000 from Mrs. Mary Robinson Cheney and Miss Eliza Robinson. For scholastic ability.

THE THERESA SEESSEL RESEARCH FELLOWSHIPS (2).—Founded in 1913 by Dr. Albert Seessel (B.A. 1871) for promotion of biological studies. Preference given to graduates who have their Doctorate.

THE SILLIMAN FELLOWSHIP.—Founded in 1875 by fund of \$10,000 in memory of Benjamin Silliman (B.A. 1796). For graduate of the College who is proficient in some branch of physical science.

THE JOHN SLOANE FELLOWSHIP IN PHYSICS.—Established in 1889 by fund of \$10,000 from John Sloane of New York (M.A. Hon. 1889). Awarded annually to graduate of the College showing proficiency in Physics.

THE SOLDIERS' MEMORIAL FELLOWSHIP.—Established in 1875 by fund of \$10,000 from Mrs. Theodosia D. Wheeler of New Haven for graduates of College of not more than five years' standing pursuing non-professional studies.

THE STRATHCONA AND MOUNT ROYAL FELLOWSHIPS.—Established in 1914 by bequest of \$30,000 from the late Lord Strathcona and Mount Royal. For general scholarship aid in the Graduate School.

THE UPJOHN COÖPERATIVE FELLOWSHIP.—Gift of Upjohn Company of Kalamazoo, Mich. Awarded for research in organic chemistry.

THE WILLIAM WIRT WINCHESTER FELLOWSHIP.—Founded in 1895 by fund of \$15,000 from Mrs. Jane E. Winchester and augmented in 1899 by \$5,000 from Mrs. Thomas G. Bennett. Awarded to third or fourth year students in Architecture, Painting, and Sculpture for one year's study abroad. (School of the Fine Arts.)

SCHOLARSHIPS

The School to whose students the following scholarships are restricted is indicated in parenthesis. Those scholarships not so designated are available to any student in the University.

Due to the establishing of a common Freshman Year it has been necessary to make certain readjustments in the terms of scholarships available for Freshmen. A committee has been appointed for this purpose and until a decision has been announced Freshmen desiring information regarding scholarships are requested to confer with the Director of the Bureau of Appointments.

SCHOLARSHIPS AWARDED PRIMARILY FOR HIGH SCHOLASTIC STANDING

THE SCHOOL OF THE FINE ARTS ELECTIVE SCHOLARSHIP.—To cover one year's tuition in the Art School. Open in competition to graduating students who wish to study painting or sculpture. (Yale College.)

THE DEPARTMENT OF ARCHITECTURE ELECTIVE SCHOLARSHIPS.—Two in number. Covering one year's tuition in Architecture. Open in competition to graduating students. (Yale College.)

TERM SCHOLARSHIPS.—Competitive. Providing free tuition in Preparatory, First Year, and Second Year courses in Painting and Sculpture. (School of the Fine Arts.)

WALTER JOSEPH AUSTRIAN SCHOLARSHIP.—Founded in 1904 by fund of \$6,000 from Joseph Austrian of Chicago and Henry Block of New York. (Yale College.)

BENJAMIN F. BARGE SCHOLARSHIP.—Founded in 1904 by fund of \$5,000 from Benjamin F. Barge (B.A. 1857).

THE BERKELEY SCHOLARSHIP.—Founded in 1733 by Rev. George Berkeley, and yielding about \$70 a year. Awarded to student in Senior class who passes best examination in Greek Testament, etc. (Yale College.)

THE BRISTED SCHOLARSHIP.—Founded in 1848 by fund of \$2,000 from Charles Astor Bristed (B.A. 1839). Awarded for excellence in Classics and Mathematics. (Yale College.)

FRANCIS GORDON BROWN SCHOLARSHIP FUND.—Founded in 1913 by fund of \$5,000 from his classmates and friends. (Yale College.)

THE CLARK SCHOLARSHIP.—Founded in 1824 by fund of \$2,000 from Sheldon Clark of Oxford, Conn. Awarded in Senior class to applicant attaining highest rank in studies of the course. (Yale College.)

THE W. W. DEFOREST SCHOLARSHIP.—Founded in 1867 from fund of \$2,000 by William Wheeler DeForest. Awarded to Senior who has attained distinction in study of French. (Yale College.)

THE DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY.—Founded in 1897 from fund of \$2,000 by Mrs. Eaton in memory of Professor Daniel C. Eaton (B.A. 1857). (Yale College or Sheffield Scientific School.)

ALICE KIMBALL ENGLISH SCHOLARSHIP.—Founded in 1893 and increased by gifts amounting to \$10,000 by Henry F. English and Mrs. English, providing a traveling scholarship. For third and fourth year students under thirty years of age. (School of the Fine Arts.)

GRADUATE SCHOLARSHIPS.—Ten scholarships of \$125 each. For graduates of approved colleges who wish to become candidates for degree of M.S. or higher engineering degrees. (Graduate School.)

The ARTHUR TWINING HADLEY SCHOLARSHIP.—Founded in 1902 by members of the Class of 1876. For publication of dissertations.

The AUSTIN F. HOWARD SCHOLARSHIP FUND.—Established in 1894 by \$10,000 from James T. Howard. For graduate of Yale College.

The HURLBUT SCHOLARSHIP FUND.—Founded in 1858-59 by fund of \$1,000 from Henry A. Hurlbut of New York City. Awarded to student who stands second for the Woolsey Scholarship. (Yale College.)

The SCOTT HURTT SCHOLARSHIP.—Founded in 1889 by fund of \$5,000 from the classmates and friends of Scott Hurtt (B.A. 1878). For member of Sophomore class. (Yale College.)

The LEARNED SCHOLARSHIPS.—Three in number. Founded in 1895 by fund of \$4,000 from William L. Learned (B.A. 1841) of Albany, N. Y. (Yale College.)

SCHOLARSHIP APPOINTMENTS IN LAW LIBRARY.—\$150 given to limited number of students appointed as assistants. (School of Law.)

The LOCKWOOD SCHOLARSHIPS.—Founded in 1897 by fund of \$5,000 from Miss Julia A. Lockwood of Norwalk, Conn. To two students passing best examinations in theory and practice of instrumental music. (School of Music.)

The McLaughlin Memorial Fund.—Established in 1894 by fund of \$1,100, as a memorial to Edward Tompkins McLaughlin (B.A. 1883). Devoted to the encouragement of English Composition in the Freshman class.

The PAGE SCHOLARSHIP IN ANTHROPOLOGY AND THE SCIENCE OF SOCIETY.—Founded in 1901 by fund of \$9,500 from Edward D. Page (Ph.B. 1875) in memory of Henry A. Page. For graduate study. (Sheffield Scientific School.)

The PERKINS SCHOLARSHIP.—Founded in 1914 by fund of \$1,000 from Mrs. Mary R. Perkins, widow of George C. Perkins (B.A. 1861). Awarded to first year student. (School of Medicine.)

The ROGERS SCHOLARSHIP.—Founded in 1899 by fund of \$5,000 from William A. Rogers (Ph.B. 1874). Awarded at end of Junior year to student in Biology or Chemistry. (Sheffield Scientific School.)

RUNK SCHOLARSHIP FUND.—Founded in 1864 by fund of \$1,000 from Charles M. Runk (B.A. 1845) of Allentown, Pa. Awarded to student who stands third for the Woolsey Scholarship. (Yale College.)

THE THACHER MEMORIAL FUND.—Established in 1892 by fund of \$3,000 from members of the Class of 1842 in honor of Professor Thomas A. Thacher (B.A. 1835). For encouragement of practice of extemporaneous debate. (Yale College.)

THE THOMAS GLASBY WATERMAN FUND.—Founded in 1890 by fund of \$40,000 from the estate of Thomas Glasby Waterman (B.A. 1886). (Yale College.)

THE JOHN FERGUSON WEIR SCHOLARSHIP.—Founded in 1899 by fund of \$2,000 from Carl Stoeckel (M.A. Hon. 1906) and Mrs. Stoeckel. One year's tuition in the School of the Fine Arts.

LISPENARD STEWART WITHERBEE SCHOLARSHIP FUND.—Founded in 1907 by fund of \$10,000 from Mr. and Mrs. Frank S. Witherbee. (Yale College.)

WOODS HOLE RESEARCH SCHOLARSHIPS.—Tables maintained at the Marine Biological Laboratory, Woods Hole, Mass., for advanced study in Zoology, Biology, or Botany. (Sheffield Scientific School.)

THE WOOLSEY SCHOLARSHIPS.—Founded in 1846-48, and having an income of \$1,000 each, from President Woolsey for best examinations in Latin Composition and Greek. (Yale College.)

THEODORE S. WOOLSEY SCHOLARSHIPS.—Founded by Theodore S. Woolsey, LL.D. (B.A. 1872). Eight in number. \$150 each to students in School of Law.

SCHOLARSHIPS AWARDED PRIMARILY FOR CHARACTER, ABILITY, AND PROMISE

THE HENRY W. ALLIS SCHOLARSHIP FUND.—Established in 1890 by bequest from Mrs. Emily W. Colton, as a memorial to her son. Income used for benefit of worthy students. (Divinity School.)

THE FRANCIS BACON SCHOLARSHIP FUND.—Founded in 1913 by fund of \$100,000 from Francis Bacon (M.D. 1853). (Yale College or Sheffield Scientific School.)

THE JOHN BENNETTO SCHOLARSHIP FUND.—Founded in 1902 by fund of \$5,000 from the Class of 1887. (Yale College.)

THE BOARDMAN SCHOLARSHIPS.—Two in number, \$250 each, established in 1909 by bequest of \$10,000 from Mrs. Lucy H. Boardman, of New Haven. (Sheffield Scientific School.)

THE DANIEL BUTLER MEMORIAL SCHOLARSHIP.—Established in 1916 by fund of over \$24,000 from Henry Hinsdale Butler (B.A. 1866). (Yale College.)

THE ROBERT CALLENDER SCHOLARSHIP.—Founded in 1901 by fund of \$6,000 from Walter R. Callender (B.A. 1894) and John A. Callender (B.A. 1902). (Yale College.)

THE CHRISTMAN FUND.—Founded in 1891 by fund of over \$22,000 from Joseph A. Christman (B.A. 1857) of New York City. (Yale College.)

THE CONNECTICUT EDUCATION SOCIETY FUND.—Founded in 1914 by fund of \$14,000. (Yale College.)

THE JOHN J. COX SCHOLARSHIP.—Founded in 1898 by fund of \$2,000 from Mrs. John J. Cox of Peekskill, N. Y. (Yale College.)

THE THOMAS HAMLIN CURTIS SCHOLARSHIP FUND.—Founded in 1912 by fund of \$2,500 from Mrs. Virginia H. Curtis. (Yale College.)

THE ELLSWORTH FUND.—Founded in 1858 by fund of \$86,000 from Henry L. Ellsworth (B.A. 1810). (Yale College.)

THE JENNIE FISKE SCHOLARSHIP.—Established in 1916 by fund of over \$1,500 from Sarah J. Fiske of Danvers, Mass. (Yale College.)

THE WILLIAM H. FOGG SCHOLARSHIP FUND.—Established in 1892 by gift of \$38,000 from Mrs. Elizabeth Fogg. For general scholarship aid. (Divinity School.)

THE EDWARD J. GARVAN SCHOLARSHIP.—\$300 from Eta Chapter of the Zeta Psi to a Sophomore. (Yale College.)

THE GAYLORD SCHOLARSHIP.—Founded in 1858 by \$1,000 from Sereno Gaylord of Plymouth, Conn. (Yale College or Sheffield Scientific School.)

THE YALE GLEE AND BANJO CLUB SCHOLARSHIP.—Founded in 1909 from fund of over \$2,000 by the Yale Glee and Banjo Club Association.

THE CHARLES W. GOODYEAR SCHOLARSHIP MEMORIAL FUND.—Established in 1916 by gifts of \$15,000 from Mrs. Charles W. Goodyear. For general scholarship aid. (School of Forestry.)

THE GRATUITY FUND.—Established in 1840 by fund of over \$14,000 for those intending to be divinity students. (Yale College.)

THE HARMER FOUNDATION OF SCHOLARSHIPS.—Founded in 1854 by fund of \$11,000 from Thomas Harmer Johns (B.A. 1818) of Canandaigua, N. Y. (Yale College.)

THE JAMES J. HOGAN SCHOLARSHIP FUND.—Founded in 1911 by fund of \$5,000 from the Winthrop Trust Association. (Yale College.)

THE JOHN C. HOLLEY MEMORIAL SCHOLARSHIP.—Established in 1889 by bequest of \$2,000 from Alexander H. Holley. (Yale College.)

THE HOWARD C. HOLLISTER MEMORIAL SCHOLARSHIP.—Established in 1920 by the Cincinnati Yale Club in memory of Howard Clark Hollister (B.A. 1878).

LUCIUS HOTCHKISS FUND.—Founded in 1881 by fund of \$10,000 from Lucius Hotchkiss of New Haven, Conn. (Yale College.)

The PHILO CHATFIELD HOTCHKISS MEMORIAL FUND.—Founded in 1913 by a gift of \$500 from Mr and Mrs. Leonard F. Hotchkiss of New Haven, Conn. (Yale College.)

The SARAH IVES HURTT SCHOLARSHIP.—Founded in 1912 by fund of \$3,000 from Francis Dustin HURTT (LL.B. 1907). (School of Law.)

WALTER WATERS HUSTED SCHOLARSHIP.—Founded in 1908 by fund of \$8,000 from Mrs. Mary H. Husted. (Yale College.)

The CHARLES P. KELLOGG MEMORIAL SCHOLARSHIP.—Established in 1919 by bequest of \$5,000 from Ellen P. Kellogg in memory of Charles P. Kellogg (*ex*-1897).

The LANGDON FUND.—Founded in 1835 by fund of \$4,000 from Solomon Langdon, Farmington, Conn. (Yale College.)

The MAHLON LONG SCHOLARSHIP.—Established in 1902 in memory of Mahlon Long (M.A. Hon. 1847), by a gift from the estate of Catherine B. Long, through Rev. George Wells Ely (*ex*-1872), of Columbia, Pa. (Yale College and the Sheffield Scientific School.)

DANIEL LORD, JR., MEMORIAL FUND.—Founded in 1894 by fund of \$5,000 from Daniel Lord of New York City. (Yale College.)

GEORGE DEFOREST LORD SCHOLARSHIP.—Founded in 1913 by fund of \$5,000 from Mrs. Francis T. Lord of New York City. (Yale College.)

The JOSEPH LYMAN SCHOLARSHIP FUND.—Founded in 1913 by fund of over \$80,000 from Samuel H. Lyman (B.A. 1861).

The LYON SCHOLARSHIP FUND.—Founded in 1868-82 by fund of \$5,400 from Morris W. Lyon (B.A. 1846) of New York City. (Yale College.)

The LEE MCCLUNG SCHOLARSHIP.—Founded in 1915 by fund of \$10,000 from the brothers and sisters of Lee McClung (B.A. 1892).

The EDLA J. MCPHERSON FUND.—Founded in 1913 by fund of \$260,000 from Mrs. Edla J. McPherson. (Graduate School.)

The MARETT FUND.—Established in 1869 by fund of over \$152,000 by Philip Marett of New Haven, Conn. (Yale College.)

The JAMES MARSHALL SCHOLARSHIP FUND.—Founded in 1900 by fund of nearly \$1,300 from Rev. James Marshall (B.A. 1857). (Yale College.)

The ROBERT DOUGLAS MEACHAM SCHOLARSHIP.—Founded by fund of \$6,000 from Edith Meacham Hitchcock and Standish Meacham in memory of Robert Douglas Meacham (Ph.B. 1907). (Sheffield Scientific School.)

THE MEAD SCHOLARSHIP.—Founded in 1902 by fund of over \$15,000 from Solomon Mead, Greenwich, Conn. For students intending to enter the Christian ministry. (Yale College or Divinity School.)

THE MENDELSON SCHOLARSHIP.—Founded by fund of \$10,000 from Sigmund Mendelsohn primarily for students "who have become physically disabled while serving in the United States Army or Navy during the recent war."

THE EDWARD S. MOSELEY SCHOLARSHIP.—Established in 1901 by bequest of Edward Strong Moseley (B.A. 1833). Income used for general scholarship aid. (Yale College.)

THE MOORE SCHOLARSHIPS.—Founded in 1906 by fund of \$5,000 from E. J. Moore. (Sheffield Scientific School.)

THE ALFRED BARNES PALMER SCHOLARSHIP FUND.—Founded in 1892 by fund of \$5,000 from Rev. Charles Ray Palmer, D.D. (B.A. 1855), of Bridgeport, Conn. (Yale College.)

THE ELIZA TOWNSEND PARKER SCHOLARSHIP.—Founded in 1911 by fund of \$10,000 from Joseph Parker of New Haven, Conn. (School of Law.)

THE RAMSAY SCHOLARSHIP.—Founded in 1915 by fund of \$5,100 from the women of New Haven in memory of Otto G. Ramsay. (School of Medicine.)

DIVINITY SCHOOL SCHOLARSHIP aid given to fourth year students showing special success in advanced study.

THE ARTHUR LARNED RYERSON SCHOLARSHIP.—Founded in 1912 by fund of \$5,000 from Mrs. Arthur Ryerson of Philadelphia, Pa. (Yale College.)

THE GEORGE BENEDICT SHERMAN SCHOLARSHIP.—Founded in 1908 by an income of \$400 from Mrs. Henry S. Sherman of Cleveland, Ohio. (Yale College.)

THE ALAN HARRY SIMON SCHOLARSHIP.—Established in 1920 by gift of \$2,000 from Mrs. Harry G. Simon. To constitute a scholarship of \$500 yearly for four years to a deserving student. (Sheffield Scientific School.)

THE ANTHONY D. STANLEY MEMORIAL FUND.—Founded in 1904 by fund of \$10,000 from Walter Stanley Pitkin (B.A. 1858). (Yale College.)

THE THOMAS VINCENT STILWELL SCHOLARSHIP.—Founded in 1919 by fund of \$5,000 from Mrs. Arthur A. Stilwell as a memorial to her son, Thomas Vincent Stilwell (Ph.B. 1915). (Sheffield Scientific School.)

The **TEELE FUND**.—Founded in 1896 by fund of \$1,000 from Rev. Albert K. Teele (B.A. 1842). (Yale College and Sheffield Scientific School.)

The **LEWIS BAKER WARREN SCHOLARSHIP**.—Established in 1914 by fund of \$5,000 from Mr. and Mrs. Charles Howard Warren. (Sheffield Scientific School.)

The **DAVID WILLCOX LOAN FUND**.—Founded in 1909 by fund of \$25,000 from William G. Willcox, from the estate of David Willcox (B.A. 1872).

The **HUBERT C. WILLIAMS MEMORIAL SCHOLARSHIP**.—Established in 1919 by gifts from Mrs. Hubert Williams. To be used as a loan fund. (School of Forestry.)

The **JOHN REED WILLIAMS FUND**.—Founded in 1914 by fund of \$1,000 from Mrs. Williams of Chicago. (Yale College.)

SCHOLARSHIPS AWARDED FROM SPECIAL LOCALITIES OR FAMILIES

ALBANY, BOSTON, BRIDGEPORT, BUFFALO, HAWAII, KENTUCKY, NEW HAVEN, NEW MEXICO, NORTHWESTERN, NORTHERN CALIFORNIA, SOUTHERN CALIFORNIA, PHILADELPHIA, PITTSBURGH, RHODE ISLAND, ROCHESTER, ST. LOUIS, SEATTLE, WASHINGTON, D. C., and WISCONSIN SCHOLARSHIPS.—Maintained by Alumni Associations of respective localities.

The **CHARLES W. BINGHAM SCHOLARSHIPS**.—Founded in 1917 by fund of \$10,000 from Charles William Bingham (B.A. 1868). Cleveland, Ohio, and vicinity. (Yale College and Sheffield Scientific School.)

The **YALE SCHOLARSHIP TRUST OF BOSTON**.—Established in 1917 by fund of \$1,000 from William Wallace Crapo (B.A. 1852) and Alfred Lawrence Ripley (B.A. 1878). (Yale College and Sheffield Scientific School.)

The **CALLIOPEAN SCHOLARSHIP**.—Founded by sale of library of the Calliopean Society and increased by the Yale Southern Club. To a student from southern states. (Yale College.)

The **CHICAGO SCHOLARSHIPS**.—Established by the Yale Scholarship Trust of Chicago for men from Illinois.

The **CLASS OF 1888 S. SCHOLARSHIP FUND**.—Established in 1909 by fund of \$10,000 from members of the Class of 1888 S. (Sheffield Scientific School.)

The **CLASS OF 1901 S. SCHOLARSHIP**.—Established by a fund of \$3,000 from members of this class. (Sheffield Scientific School.)

THE CLEVELAND SCHOLARSHIPS.—Established in 1907 by the Yale Alumni Association of Cleveland. Awards to successful competitors in vicinity of Cleveland. (Yale College and Sheffield Scientific School.)

THE CONNECTICUT HIGH SCHOOL TUITION SCHOLARSHIPS.—Offered to Freshmen from State of Connecticut.

THE DANBURY SCHOLARSHIP.—Founded by bequests of Starr Hoyt Nichols (B.A. 1854) and Philip Nichols Bliss. To candidate from Danbury (Conn.) passing the best examination for admission to the Freshman class. (Sheffield Scientific School.)

THE THOMAS DAY SCHOLARSHIP.—Founded in 1832 by fund of \$2,000 from Thomas Day (B.A. 1797) of Hartford, Conn., for descendants of Rev. Jeremiah Day until 1926. (Yale College.)

THE DAVID C. DEFOREST SCHOLARSHIPS.—Founded in 1823 by David C. DeForest, of New Haven, Conn., for the education of descendants of Mehitable Lockwood.

THE JOSEPH ELIOT MEMORIAL SCHOLARSHIP.—Founded in 1886 by the descendants of Rev. Joseph Eliot for his descendants. (Yale College.)

THE CHARLES B. FENNEL SCHOLARSHIP FUND.—Established in 1919 by \$25,000 from Mrs. John C. Fennell of Kansas City, Mo., in memory of her son, Charles B. Fennell (Ph.B. 1911). To a candidate selected on the basis of nominations by the Kansas City Alumni Association and by examination. (Yale College or Sheffield Scientific School.)

THE DAVID GALLUP FUND.—\$400 to be used annually to defray the expenses of four men from Connecticut. (Sheffield Scientific School.)

THE ALUMNI ASSOCIATION OF HARTFORD maintains a fund for loan scholarships to students from that vicinity.

THE HOLMES SCHOLARSHIPS.—Founded in 1865 by Samuel Holmes, Montclair, N. J., to students from Waterbury, Wolcott, Prospect, and Middlebury. (Yale College and Sheffield Scientific School.)

THE ROYALL AVERY HOTCHKISS MEMORIAL FUND.—Founded in 1913 by fund of \$500 from Mr. and Mrs. Leonard F. Hotchkiss of New Haven, Conn., for graduate of the New Haven High School. (Sheffield Scientific School.)

THE HENRY PIERSON JOHNES MEMORIAL SCHOLARSHIP FUND.—Founded in 1905 by fund of \$3,000 from Mr. and Mrs. Goldsmith D. Johnes of Newburgh, N. Y. To a student from Newburgh. (Yale College.)

THE KINGMAN SCHOLARSHIP.—Founded by fund of \$4,000 from Mrs. Azubah G. Kingman. To a resident of Connecticut. (Sheffield Scientific School.)

THE LEAVENWORTH SCHOLARSHIP FUND.—Founded in 1882 by fund of \$12,000 from Elias W. Leavenworth (B.A. 1824) of Syracuse, N. Y. To students bearing the surname of Leavenworth. (Yale College and Sheffield Scientific School.)

THE DEFOREST MANICE SCHOLARSHIP.—A fund established in 1878 and made available for use in 1920 when it reached the total of \$30,000. For the education of a lineal descendant of the donor bearing the name of Manice.

THE YALE-NEW HAVEN HIGH SCHOOL TUITION SCHOLARSHIPS.—Full tuition charges for four years given to graduates of the New Haven High School. (Yale College and Sheffield Scientific School.)

NEW HAVEN TUITION SCHOLARSHIPS.—Twenty-four tuition scholarships established in 1920. Beginning with 1921 six scholarships yearly will be awarded to the Freshman class. Students must have lived in New Haven five years prior to entering Yale; scholarship, character, and general standing considered.

THE CHARLES H. PINE SCHOLARSHIP FUND.—Founded in 1913 by fund of \$50,000 from Charles E. Pine of Ansonia, Conn. For students from Ansonia.

THE PLAINFIELD SCHOLARSHIP FUND.—Founded in 1907 by 250 shares of N. Y., N. H. & H. Railroad Company plus \$10,000 from Edwin Milner of Plainfield, Conn. For students from County of Windham.

THE E. BLISH THOMPSON SCHOLARSHIP.—Founded in 1915 by fund of \$15,000 from Mrs. Maud A. Thompson of Seymour, Ind. For students from the Shields High School, Seymour, Ind. (Sheffield Scientific School.)

E. BLISH THOMPSON SUPPLEMENTARY SCHOLARSHIPS.—Income from the above Scholarship Fund in excess of \$600, used as supplementary scholarship. (Sheffield Scientific School.)

YALE HOTCHKISS CLUB SCHOLARSHIP.—Established in 1915 by gifts from friends and members of the Yale Hotchkiss Club. Income awarded to a graduate of that school entering Yale.

PRIZES RESTRICTED TO CERTAIN SCHOOLS

The School to whose students the following prizes are restricted is indicated in parenthesis in each case.

THE DONALD ANNIS PRIZE.—Established by fund of \$1,000 from Mr. and Mrs. Newton Annis for best record in courses in English and German. (Yale College.)

THE AURELIAN HONOR SOCIETY PRIZE.—\$150 awarded annually for best original designs in Mechanical Engineering, for fifth, fourth year, or Senior students in Mechanical Engineering. (Sheffield Scientific School.)

THE BENJAMIN F. BARGE MATHEMATICAL PRIZES.—Established by fund of \$2,500 in 1900-01 from Benjamin F. Barge (B.A. 1857). (Yale College.)

THE WILLIAM R. BELKNAP PRIZES.—Established by William R. Belknap (Ph.B. 1869). Two prizes of \$25 each awarded in Senior year, one for excellence in Geological studies, and one for excellence in Biological studies. (Sheffield Scientific School.)

THE BERKELEY PREMIUMS.—Founded in 1733 from the surplus income of the Berkeley Scholarship Fund for books for excellence in Latin Composition. (Yale College.)

THE C. WYLLYS BETTS PRIZE.—Established in 1890 by fund of \$1,000 from The Phelps Association. To Sophomore for excellence in English Composition. (Yale College.)

THE BLAKE STONE BREAKER PRIZE.—Founded in 1902 by fund of \$900 from Henry T. Blake (B.A. 1848) for treatise on Mining, Civil Engineering, etc. (Sheffield Scientific School.)

THE PARKER DICKSON BUCK PRIZE.—Founded in 1919 by \$1,000 from Mrs. Henry B. Buck in memory of her son Parker Dickson Buck (B.A. 1919, *honoris causa*). For Sophomore writing the best essay or poem on patriotism. (Yale College.)

THE CAMPBELL GOLD MEDAL.—Founded in 1900 by fund of \$700 from Professor James Campbell (M.A. Hon. 1891) for member of graduating class in Medicine with highest rank in examinations. (School of Medicine.)

THE HUGH CHAMBERLAIN GREEK PRIZE.—Founded in 1886 by fund of \$1,000 from Hon. Daniel H. Chamberlain (B.A. 1862) for best entrance examination in Greek. (Yale College.)

THE CHARLES WASHBURN CLARK PRIZE.—Founded in 1907 by gift of approximately \$1,000 from Charles Washburn Clark (B.A.

1875) for best essay on Comparison of the Political Morality and Methods of the United States with those of five other countries to be chosen. (Yale College.)

A similar prize established by Mr. Clark by gift of \$1,100, and held by the Kimberly Trust Association, is awarded in alternate years beginning with 1921 for the best essay on the Diplomatic and Consular Service of the United States compared with that of not less than five other countries. (Yale College.)

THE CLASS OF 1868 PRIZE.—Founded in 1908 by the Class of 1868 for the best prose description of from 2,500 to 5,000 words. (Yale College.)

THE JOHN HUBBARD CURTIS FUND.—Founded in 1900 by Mrs. Virginia H. Curtis by fund of \$1,000 and increased in 1901 by \$1,500 for excellence of work in English or in debate. (Yale College.)

THE CYC PRIZE.—Founded by American Law Book Company. A complete set of 43 volumes of the Cyclopedia of Law and Procedure awarded to the student obtaining the highest scholarship honors upon his graduation. (School of Law.)

THE DEAN'S PRIZE.—\$40 worth of books awarded to student who presents best expository sermon. (Divinity School.)

THE DEFOREST PRIZE.—Founded in 1823 by David C. DeForest. Prize of \$100 to member of Senior class who shall write and pronounce an English Oration in the best manner. (Yale College.)

THE DEFOREST MATHEMATICAL PRIZES.—Founded in 1855 by fund of \$1,000 from John DeForest (B.A. 1826) for proficiency in mathematics. (Yale College.)

THE DETTRA PRIZE.—Founded by Mr. and Mrs. John M. Dettra. \$50 awarded annually to Sophomore for proficiency in mathematics. (Yale College.)

THE DOWNES PRIZES.—Founded in 1896 by fund of \$3,000 from William E. Downes (B.A. 1845) for highest proficiency in public reading of the Bible. (Divinity School.)

SAMUEL J. ELDER PRIZES.—Founded by Samuel J. Elder (B.A. 1873). \$75 and \$25 awarded for two best essays on subject connected with International Law. (School of Law.)

ENTRANCE PRIZES IN PIANOFORTE-PLAYING.—\$20 and \$10 to students who pass best entrance examinations in the autumn. (School of Music.)

THE FOSTER PRIZE.—Founded in 1909 by Pierpont Beers Foster (B.A. 1903, LL.B. 1907). \$50 awarded annually to member of First Year class for highest marks in annual examinations. (School of Law.)

The **JOHN CURRIER GALLAGHER PRIZE**.—Annual prize of \$25 given by Mrs. John Currier Gallagher to student most proficient in the preparation of cases for trial. (School of Law.)

The **SAMUEL H. GALPIN LATIN PRIZE**.—Founded in 1901 by Samuel A. Galpin (M.A. Hon. 1880) from \$1,000, to Freshman who passes the best entrance examination in Latin. (Yale College.)

The **BENJAMIN JEPSON MEMORIAL PRIZE**.—Founded by citizens of New Haven and pupils in public schools. Income from fund of \$1,500 awarded to a first year student of the Theory of Music of most promise who has had three years' work in New Haven schools. (School of Music.)

The **JEWELL PRIZE**.—\$50. Founded in 1871 by Marshall Jewell (M.A. Hon. 1873). Awarded to second year Law student who received highest marks in examinations. (School of Law.)

TWO KANSAS CITY PRIZES.—\$25 each. Established in 1901 by Yale Alumni Association of Kansas City. For best entrance examination. (Yale College or Sheffield Scientific School.)

The **KEESE PRIZE**.—\$120. Established in 1880 by Mrs. Mary M. Keese. Awarded to graduate who presents the best thesis. (School of Medicine.)

The **FRANCES E. OSBORNE KELLOGG PRIZE**.—\$100. Founded by Mrs. Frances E. Kellogg of Derby, Conn. Awarded to student passing best examination in the Theory of Music at end of the third year. (School of Music.)

The **FRANCES E. OSBORNE KELLOGG PRIZE**.—\$50. Founded in 1916 and awarded to student for best solution of some modern American problem in Architecture. (School of the Fine Arts.)

The **THIRD YEAR PRIZE**.—\$50. Awarded to member of Third Year class in Law for highest marks in annual examinations. (School of Law.)

The **MERSICK PRIZES**.—Founded in 1906 by Mrs. Frederick T. Bradley of New Haven. Nine prizes for effective public addresses. (Divinity School.)

The **MONTAIGNE PRIZE**.—Established anonymously in 1915 by a graduate. \$100 for Senior or Junior most proficient in French. (Yale College and Sheffield Scientific School.)

The **MUNSON PRIZES**.—Founded in 1905 by Cyrus LaRue Munson (LL.B. 1875) of Williamsport, Pa. \$50, \$30, and \$20 awarded to three members of Wayland Club most excellent in debate. (School of Law.)

The **JOHN ADDISON PORTER PRIZE IN AMERICAN HISTORY**.—Founded in 1901 by Amy Betts Porter of Pomfret, Conn., for best essay on American History. Awarded biennially. (Yale College.)

PRIZE IN ORGAN-PLAYING.—\$50 to student whose work is most satisfactory. (School of Music.)

The FANNIE B. PARDEE PRIZE IN SCULPTURE.—\$50. Founded in 1915 by William S. Pardee (B.A. 1882) for best work in each class in Anatomy. (School of the Fine Arts.)

The PARKER PRIZE.—Founded by Frank J. Parker, M.D. (Medical School 1898). Awarded to fourth year student showing best qualifications for practitioner. (School of Medicine.)

The JOSEPH PARKER PRIZE.—Founded in 1899 by Miss Eliza Townsend Parker of New Haven, Conn. \$150 awarded for best thesis on a subject connected with Roman Law. (School of Law.)

The SAMUEL LEWIS PENFIELD PRIZE.—\$500. Founded in 1906 by Morris B. Belknap (Ph.B. 1877). Awarded at end of Junior year for proficiency in Mineralogy. (Sheffield Scientific School.)

The LUCIUS F. ROBINSON LATIN PRIZES.—Established in 1887 by the daughters of Lucius F. Robinson (B.A. 1843). Awarded for special proficiency in Latin. (Yale College.)

PRIZE IN SANITARY ENGINEERING.—\$50 given by Class of 1879 S. Awarded at end of Senior year for ability and standing in Sanitary Engineering. (Sheffield Scientific School.)

SCOTT PRIZES.—Founded in 1873 by Henry W. Scott (B.A. 1863). Books valued at \$30 offered to Junior class for excellence in German and French. (Yale College.)

The SHEFFIELD SOCIETY HOUSE PRIZE.—Established in 1920 by gift from members of Society Houses of the Sheffield Scientific School. Income to be used for cup to be awarded to house whose members have highest scholarship record. (Sheffield Scientific School.)

The ANTHONY D. STANLEY MATHEMATICAL PRIZES.—Established in 1904 by Walter Stanley Pitkin (B.A. 1858). Awarded for proficiency in mathematical study and research. (Yale College.)

The STEINERT PRIZE.—Founded in 1906 by Morris Steinert of New Haven. \$100 awarded for best original composition in one of the larger musical forms. (School of Music.)

The STONE TRUST CORPORATION SCHOLARSHIP PRIZES.—Established in 1911 by the Stone Trust Corporation. Three \$100 prizes awarded at end of Sophomore year: Excellence in English composition, Mathematics, and Elementary Spanish. (Sheffield Scientific School.)

The HENRY JAMES TENEYCK PRIZES.—Established in 1888 by the Kingsley Trust Association. Awarded to successful competitors at the Junior Exhibition of the College. (Yale College.)

THE TOWNSEND PRIZE.—Founded in 1874 by James M. Townsend (B.A. 1874). \$100 awarded to member of third year class who shall write and pronounce the best oration at exercises held after Easter. (School of Law.)

THE TOWNSEND PREMIUMS.—Founded in 1843 by Isaac H. Townsend (B.A. 1822). Five premiums of \$12 awarded to Seniors for the best specimens of English composition. (Yale College.)

THE WINSTON TROWBRIDGE TOWNSEND PRIZES.—Established by William K. Townsend (B.A. 1871). Awarded to Freshmen for excellence in English Composition. (Yale College.)

THE ETHEL CHILDE WALKER PRIZE.—Founded in 1885 by Mrs. Edward Ashley Walker. Awarded for merit and progress of pupil under twenty-one years of age who shall be most deserving. (Yale School of the Fine Arts.)

THE WAYLAND PRIZES.—Founded in 1890 by Professor Francis Wayland (Hon. M.A. 1881). \$50, \$30, and \$20 awarded to three members of Yale Kent Club pronounced first, second, and third in excellence as debaters. (School of Law.)

THE WILLIAM EGBERT WHEELER PRIZE.—Established in 1911 by gift of \$1,000 from the family of William Egbert Wheeler (B.A. 1866). For proficiency in silviculture. (School of Forestry.)

THE ANDREW D. WHITE HISTORY PRIZE.—Founded in 1907 by Professor Guy Stanton Ford. \$25 awarded to Sophomores and Freshmen for highest excellence in library work of History A1. (Yale College.)

THE WINTHROP PRIZES.—Founded in 1871 by Buchanan Winthrop (B.A. 1862). Offered to Junior class "for the most thorough acquaintance with the Greek and Latin poets." (Yale College.)

THE LUCY BELL WOODWARD PRIZES.—Founded by Miss Marion W. Williams of Hartford, Conn., in memory of Lucy Bell Woodward (Mus.B. 1913). Two prizes of \$25 awarded to first year students in Pianoforte-playing and Harmony. (Prize in Harmony not awarded to winner of Benjamin Jepson Memorial Prize.)

The income from certain other beneficiary funds assigned to Yale College and the Divinity School is annually applied to general aid in the form of loans and tuition scholarships, and to students intending to enter the ministry. All applications for such aid should be sent to the Bureau of Appointments as early in September as possible.

UNIVERSITY PRIZES

The JOHN ADDISON PORTER PRIZE.—\$500. Established in 1872 and named in honor of Professor John Addison Porter (B.A. 1842). Endowed by the Kingsley Trust Association. The conditions are as follows:

1. The prize is offered for a work of scholarship in any field where it is possible, through original effort, to gather and relate facts or principles, or both, and to present the results in such a literary form as to make the product of general human interest.
2. No list of subjects for essays in competition for the prize is prescribed.
3. Competition for the prize is open to all resident students in the University who are candidates for a degree.
4. No essay will be excluded because it has already received some other award.
5. No essay will be excluded because it has already received credit in course.
6. No essay will be considered for this prize unless it be specifically submitted for that purpose.
7. Essays may be submitted anonymously or not, at the option of the writer.
8. All essays competing for the prize must be sent addressed to the John Addison Porter Prize Committee, in care of the Secretary of Yale University, New Haven, Conn., before April 1, 1922.
9. If none of the competing essays is deemed of sufficient merit, the prize will not be awarded.
10. The Association may, at its pleasure, print the winning essay. In this case a surrender of copyright by the author will be required.

All inquiries should be addressed to Dean W. L. Cross of the Graduate School.

The JAMES GORDON BENNETT PRIZE.—Founded in 1893 by fund of \$1,000 from James Gordon Bennett of New York City. Offered to members of the undergraduate body in Political Science and English Literature preparing the best essay on some selected subject of interest in the domestic or foreign policy of the United States Government. The subject for 1920-21 was one of the following:

1. The Monroe Doctrine and America's Participation in the League of Nations.
2. The Transportation Act of 1920.
3. A Future Immigration Policy for the United States.

Further information regarding this prize may be had from the department of Political and Social Science.

The COBDEN CLUB SILVER MEDAL.—Awarded for greatest proficiency in the elements of Political Economy. Candidates submitted an essay on one of the following subjects in 1920-21:

1. Wages in a Period of Falling Prices. (With special reference to the downward tendency in prices since January 1, 1920.)
2. The Revision of Federal Taxation.

The committee consists of Professors J. C. Adams, P. W. Bidwell, and Mr. G. W. Baker.

The ALBERT STANBURROUGH COOK PRIZE IN POETRY.—\$50. For best unpublished poem. The poems, each of which should be signed by an assumed name and accompanied by a sealed envelope containing the writer's full name, are due on April 1, and may be handed in at the University Library.

The JACOB COOPER PRIZE IN GREEK PHILOSOPHY.—Established in 1900 by fund of \$500 from Professor Albert S. Cook. Awarded for best examination in Aristotle and best thesis upon same topic. All inquiries should be addressed to Professor C. M. Bakewell. The subjects for 1920-21 were as follows:

1. Aristotle's Contributions to the Theory of Knowledge.
2. The Idea of Final Cause and its Influence in Aristotle's Investigations.
3. Aristotle's Theology and its bearing on Current Theological Issues.
4. A Comparison of Aristotle and Hegel.

The GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE.—Income of \$1,638.70. Established in 1901 by gift from George Washington Egleston, of Eardisley, Herefordshire, England, brother of Thomas Egleston (B.A. 1854) and William C. Egleston (B.A. 1861). Awarded annually to any resident student of the University, graduate or undergraduate, who shall, by research, discover new facts of importance for American History; or who shall, from existing data, gather information or reach conclusions, which from an historical, literary, and critical point of view are likely to be useful to anyone interested in the same subject. The committee of award consists of Professors Allen Johnson and C. M. Andrews.

The PHILO SHERMAN BENNETT PRIZE.—Income of fund of \$400 given in 1905 by Hon. William J. Bryan as trustee under the will of Philo Sherman Bennett, of New Haven. For best essay on principles of free government. The subjects for 1920-21 were:

1. The Function of the Senate in Treaty-Making.
2. Compulsory Arbitration in the United States.

Further information regarding this prize may be obtained from Professors J. C. Adams, P. W. Bidwell, and Mr. G. W. Baker.

The FRANCIS JOSEPH VERNON MEMORIAL PRIZE.—Established in 1914 by gift of \$2,100 from members of the Classes of 1885 in the College and Sheffield Scientific School in memory of Francis Joseph Vernon (B.A. 1885). Awarded for best song or poem illustrating

Yale life and associations. Open to graduates and undergraduates of the University. The committee of award consists of Dean Cross, Professor Jepson, and Dr. Colman W. Cutler (B.A. 1885).

THE METCALFE PRIZE.—\$50. Established by James Stetson Metcalfe (B.A. 1879) for best essay of about three thousand words on an assigned subject dealing with theatrical conditions. Information may be obtained from the committee, in care of the Secretary of the University.

THE HOWLAND MEMORIAL PRIZE.—Founded in 1915 by fund of \$15,000 from Charles Prentice Howland, M.A., LL.B. (B.A. 1891), Frances Louise Howland, and John Howland, M.D. (B.A. 1894), in memory of their father, Henry Elias Howland (B.A. 1854). Awarded biennially to citizen of any country in recognition of some achievement of marked distinction in literature, fine arts, or the science of government.

THE JOHN MASEFIELD POETRY PRIZES.—(1) a copy of Shakespeare, (2) a copy of Chaucer, given by John Masefield. Offered annually to students for poem not over fifty lines in length on any subject. The committee of award consists of Professor E. B. Reed, Mr. A. R. Bellingier, and Mr. H. S. Buck.

THE YALE MENORAH SOCIETY PRIZE.—\$100 awarded for best essay dealing with literature, history or achievement of the Jewish people. The committee of award consists of Professors C. F. Kent and C. C. Torrey and Rabbi Louis L. Mann.

BRADFORD BRINTON PRIZE.—\$50. Established in 1920 by Bradford Brinton (Ph.B. 1904). To be awarded every other year to that undergraduate writing the best play.

UNIVERSITY LECTURE COURSES

THE LYMAN BEECHER LECTURES ON PREACHING.—Founded in 1871 by gift of \$10,000 from the late Henry W. Sage of Brooklyn, N. Y. The lecturer for 1920-21 was the Rt. Rev. Charles David Williams, Bishop of Michigan.

FRANCIS BERGEN LECTURES.—Established in 1919 by gift of \$20,000 from Frank Bergen of Elizabeth, N. J., in memory of his son, Francis Bergen (B.A. 1914). Income to be used for an annual course of lectures on English Literature or Drama. In 1920-21 the course was given by Joseph Hergesheimer, Amy Lowell, Percy Grainger, and John Galsworthy.

THE SILLIMAN MEMORIAL LECTURES.—Established in 1884 by Augustus Ely Silliman of Brooklyn, N. Y., and supported by the Mrs. Hepsa Ely Silliman Memorial Fund of over \$85,000. Professor

Franz Cumont, formerly of the University of Ghent was the lecturer in 1920-21.

THE TROWBRIDGE LECTURE COURSE.—Founded in 1899 by a gift of \$5,000 and doubled in 1913 by Rutherford Trowbridge of New Haven, Conn., for a memorial lectureship in the School of the Fine Arts.

THE DODGE LECTURES ON THE RESPONSIBILITIES OF CITIZENSHIP.—Founded in 1900 by a fund of \$30,000 from William E. Dodge of New York City.

THE BROMLEY LECTURES ON JOURNALISM, LITERATURE, AND PUBLIC AFFAIRS.—Founded in 1900 by a fund of \$5,000 from Mrs. Adelaide E. Bromley as a memorial to her husband, Isaac H. Bromley (B.A. 1853). The lecturer for 1920-21 was Richard Hooker (B.A. 1899), Editor of the *Springfield Republican*.

HARVARD LECTURES.—Established in 1906 by gift of \$10,000 from an anonymous Harvard graduate. Employed in securing members of the Harvard faculty for lectures or instruction.

THE DANIEL S. LAMONT MEMORIAL LECTURESHIP.—Established in 1906 by an anonymous gift of \$1,000. Income to be used for an annual lecture on English Letter Writers and Letter Writing.

THE STANLEY WOODWARD LECTURESHIP FUND.—Founded in 1907 by George Woodward (B.A. 1887), in memory of his father, Hon. Stanley Trott Woodward (B.A. 1855), for occasional lectures by distinguished foreigners. Lectures were given in 1920-21 by Abbé Ernest Dimnet, of the College Stanislas, Paris, and Professor Raffaello Piccoli, of the University of Pisa, Italy.

A large number of lectures which are open to all members of the University and to the general public are given as University lectures or under the auspices of various departments and organizations. A few of the speakers during the year 1920-21 are as follows:

Dean Herbert E. Hawkes, Livingston Farrand, William Howard Taft, Governor Everett J. Lake, Dr. James Rowland Angell, M. Gaston Riou, Francis G. Benedict, Rev. Charles E. Jefferson, Dr. Wilfred T. Grenfell, Dr. Henri deMan, William W. Ellsworth, Herbert Hoover, Gilbert H. Chesterton, Rev. Dr. Harry Emerson Fosdick, Judge Benjamin N. Cardozo, M. Léonce Bénédict, M. Gilbert Rogers, Professor George Cross.

Other lectures given during the year include: The Dwight Hall Lectures, the Medical Alumni Lectures (2), the Divinity School Alumni Lecture, the Phi Beta Kappa Society, the Leonard Bacon Club, Sigma Xi Society, and the Twentieth Engineers Memorial Lectures, and Berkeley Sermons.

For the University Chamber Concerts, Symphony Concerts, Organ Recitals, and other concerts and musical events, see Section III of this Catalogue.

UNIVERSITY PREACHERS

	1920	
October	3	Matriculation Address, President Hadley.
"	10	Dean Charles R. Brown, Divinity School.
"	17	Rev. William P. Merrill, D.D., New York City.
"	24	Rev. Professor Albert Parker Fitch, D.D., Amherst College.
"	31	Professor William Lyon Phelps, Yale University.
November	7	Dean Charles R. Brown, Divinity School.
"	14	Rev. Arthur H. Bradford, D.D., Providence, R. I.
"	21	Rev. Professor Albert Parker Fitch, D.D., Amherst College.
"	28	Rev. Henry Sloane Coffin, D.D., New York City.
December	5	Dean Charles R. Brown, Divinity School.
"	12	Rev. William G. Thayer, D.D., Head Master of St. Mark's School, Southboro, Mass.
	1921	
January	9	Alfred E. Stearns, Litt.D., Principal of Phillips Academy, Andover, Mass.
"	16	Rev. Professor Hugh Black, D.D., Litt.D., Union Theological Seminary.
"	23	Rev. President Clarence A. Barbour, D.D., Rochester Theological Seminary.
"	30	Professor Edward Bliss Reed, Yale University.
February	6	Dean Charles R. Brown, Divinity School.
"	13	Rev. Henry Sloane Coffin, D.D., New York City.
"	20	Rev. Edward M. Noyes, Newton Center, Mass.
"	27	Rev. Charles W. Gilkey, Chicago, Ill.
March	6	Dean Charles R. Brown, Divinity School.
"	13	G. Sherwood Eddy, LL.D., New York City.
"	20	Rev. Professor Henry Hallam Tweedy, Yale University.
April	3	Right Rev. Charles D. Williams, D.D., LL.D., Detroit, Mich.
"	10	Rev. President John M. Thomas, D.D., LL.D., Middlebury College.
"	17	Right Rev. Charles H. Brent, D.D., Buffalo, N. Y.
"	24	John R. Mott, LL.D., New York City.
May	1	Dean Charles R. Brown, Divinity School.
"	8	Rev. Andrew Mutch, D.D., Bryn Mawr, Pa.
"	15	Rev. Arthur Howe, Chaplain of The Taft School.
"	22	Rev. H. Percy Silver, New York City.
"	29	Rev. Bishop Edwin H. Hughes, D.D., LL.D., Malden, Mass.
June	5	Dean Charles R. Brown, Divinity School.
"	12	
"	19	Baccalaureate Sermon, President Hadley.

SECTION IX
DEGREES AND HONORS, 1920

DEGREES CONFERRED IN COURSE, 1920

BACHELORS OF ARTS

CLASS OF 1917

Amos Niven Wilder

CLASS OF 1918

Albert Seymour Bill
Judson Stanley Bradley
William Douglas
Eliot Grant Fitch
Frederic William Wilson Graham, Jr.
Theodore Vincent Hubbard
William Grosvenor Hutchins
Frederick LaSalle Johnson

Robert Dalzell Laughlin, Jr.
Wilmarth Sheldon Lewis
Frederick Horr Lovejoy
Robert Emerson McClure
Joseph Neville
Carl Louis Rubsamen
Charles Bernard Walsh
Edward Wassermann

CLASS OF 1919

Philip Allen, Jr.
Francis Stuart Fitch Andrews
Leonard Aiken Beadle
William Cary Bowen
William Brody
Albert Willard Bromer
John Alexander Brough
Alexander Taylor Bunts
John McNab Burton
John Franklin Carter, Jr.
Robert Hutcheson Collier
Rodney Gove Dennis
Ganson Goodyear Depew
William Evers Eastman
John Franklin Enders
Effingham Cock Evarts
Duncan Patterson Forbes
Jacob Deane Funk
Charles' Lunt, Carter Galt
David Meade Gilmore
Edward Scott Goodwin
Richard Whitmore Griswold
Hamilton Hadley
Charles Christian Haffner
William Augustus Hanway
Stephen Russell M. Hoyer
John Belden Ketcham

John Bryant Knox
John Crain Kunkel, Jr.
Lester Hart Larrabee
Tsu-fa Lee
Norman Wakefield MacDonald
Elmore McNeill McKee
John Howard Mallon
John James Mitchell, Jr.
Charles Blatchford Moore
Nicholas Moseley
Edmund Joseph O'Brien
James Sanford Otis
Churchill Crittenden Peters
William Quincy Porter
Kennett Farrar Potter
Edwin Dow Rattray
Barclay Robinson
Linton Satterthwaite, Jr.
Louis Winfield Schmidt
Daniel Segal, Jr.
James Andrew Shanley
Gilbert Stanley
Seth Talcott
William Ambrose Taylor, Jr.
Winslow Burhans VanDevanter
Rudolph Willard
Dean Kirkham Worcester

CLASS OF 1920

Lewis Greenleaf Adams	Louis Feldman
Frank Gabriel Amatruda	John Prestley Fife
Donald Hatch Andrews	Elisha Boudinot Fisher
Hugh Dudley Auchincloss	Morris Lincoln Fisher
Lewis Saunders Baer	Robert Lewis Fisher
William Shindel Bailey, Jr.	Henry Warren Fox
Lascelles Maxwell Banks	George Seagrave Franklin
James William Barrett, Jr.	William Williams Keen Freeman
Clark Smith Beardslee	Paul Thomas Galt, Jr.
Carl Frederic Wilhelm Bergstrom	Charles White Gamble
Joseph Buchanan Bernardin	Charles Stedman Garland
George Klee Bernhard	Frederick Tabor Gates
Raymond Hirst Berry	Jack Metcalf Gill
Howard Conway Bertram	Louis Richard Gimbel
Frederick Shields Booth	Joseph Jacob Goldberg
Charles Edward Bradley, Jr.	John Joseph Goldsmith
Leicester Bradner	Maxwell Harry Goldstein
Harry Clement Brogan	Cadmus Zaccheus Gordon, Jr.
Arthur Minard Brooks	Frank Miller Gould
Bernard Brown	James Bliss Gray
John Seiler Brubacher	George MacKendrick Gregory
Winthrop Buckingham	Benjamin Franklin Groot
Frederick Thatcher Burrows	Briton Hadden
Robert Thompson Cairns	Elias Davidson Kennedy Hamill
David Argyle Campbell	Robert Lyon Hamill
William Mallory Chamberlin	John Henry Hamline
Harvey Childs, 3d	Ralph Philip Hanes
Bruce Waid Clingan	Francis French Harrison
Alfred Burton Closson	Frank Peavey Heffelfinger
Bernard William Cohen	James Smith Hemingway, Jr.
John Laurence Collins	Charles Stuart Heminway
William Mansfield Corcoran	Edward Pritz Herman
Kenneth Eugene Crounse	Israel Hillman
Paul Fessenden Cruikshank	John Morris Hincks
Chester Graham Curtiss	Walter Hochschild
Albro Newton Dana	MacLean Hoggson
John Anthony Danaher	Charles Calvin Holmes
Harry Pomeroy Davison, Jr.	David Harrison Houghtaling
William Clyde DeVane, Jr.	Edward Gaylord Howell
Edward Joseph Diamond	Che-Chun Hsiang
Thomas Kilburn Dodd	Wilbur Ross Hubbard
Alexander Drysdale	Clarence John Hylander
Frank William Dunn	David Sinton Ingalls
Henry Belin duPont, Jr.	Percy Ernest Isbell
Harold Cornelius Vincent Eagan	Joseph Francis Jackson
Ewing Everett	Benjamin Brewster Jennings
Arthur Francis Farley	Joseph Andrew Johnston

Harold Armstrong Jones
 Richard Brown Jones
 Wallace Agnew Kelley
 Sherrill Kent
 William Joseph Kent, Jr.
 William Howell Kiser, Jr.
 Lloyd Kitchel
 Seymour Horace Knox
 John Ferard Leicester, Jr.
 Raymond Henry Liefeld
 Dwight Prince Little
 Alexander Lowenthal
 Henry Robinson Luce
 George Littlewood Luthy
 Stewart Phillips McConnel
 James McHenry
 Arthur Brinkerhoff McKay
 Frank John McKee, Jr.
 James Michael McKeon
 Reginald Marsh
 Marion Thruston Martin
 William Charles Meekins
 William Ford Merritt
 Clement Dann Meserve
 Walter Mills
 Joseph Bulkeley Morse, Jr.
 Craig Douglas Munson
 Halsted Hawley Myers
 Frederic Wehle Naumburg
 Alexander Caldwell Neave
 Ashbel Barney Newell, Jr.
 Arnold Hoadley Nichols
 Edmund Joseph O'Brien
 Paul Henry Francis O'Connor
 John Alfred Oneal
 Charles Orin Patch, Jr.
 Morehead Patterson
 Ernest Patton
 Charles Samuel Peete
 Arthur Pite
 Collier Platt
 Pierrepont Isham Prentice
 Eugene Melvin Reed
 Sylvain Louis Reinhardt, Jr.
 Frederic Ambrose Roache
 Alexander Donald Robertson
 William Lawrence Roemer

Barney Morris Rogoff
 William Low Russell
 Theodore Lee Safford
 Charles Forbes Sargent
 Joseph Weir Sargent
 Howell Thomas Sawyer
 Alfred Coster Schermerhorn
 Henry Charles Schreier, Jr.
 James White Scudder, Jr.
 Nelson Jerome Smith
 William Melbury Smith
 Monta Colman Smithson
 Howard Hilton Spellman
 Llewellyn Truman Spencer
 William Tillinghast Stanton
 Winthrop Parsons Stevens
 Elbridge Stratton
 Frank Bernard Stubbs
 Raymond Florence Sullivan
 Gerald Francis Sweeney
 Yü Loo Tang
 Charles Bradford Templeton, Jr.
 Philip Thomas
 Richard Cowles Thompson
 Ruland Thompson
 Harold Dean Toomey
 Max Raydner Traurig
 Calvin Durand Trowbridge
 Nathan Tufts
 Spencer Vanderbilt
 Alexander Vanderburgh
 DeForest VanSlyck
 Arthur McNeill Vorys
 Donald Lee Wallace
 Edward Seccomb Wallace
 Westwood Wallace
 Roland Wampler Weikel
 John Phillip Weyerhaeuser, Jr.
 William Dwight Whitney
 Thornton Niven Wilder
 Arthur Benjamin Wiles
 Gilbert Williams
 Staunton Williams
 Douglas Rider Wilson
 George Williams Wilson
 Simon Manuel Yaffe

†BACHELORS OF ARTS, *HONORIS CAUSA*

CLASS OF 1917

Henry Dickinson Lindsley

CLASS OF 1918

Arthur DeWitt Alexander
 Clinton Davis Backus
 Alvin Freiberg Bluthenthal
 Middleton DeCamp
 James Gould
 Henry Evans Gray
 Paul Kerlin Guthrie
 Anton G. Hardy
 George Starkweather Haskell

Philip Gibson Hodge
 Robert Franklin Hussey
 Robert Abercrombie Lovett
 Adrian Osborn Morse
 Austin Roe Preston, Jr.
 Lucius Franklin Robinson, Jr.
 Laurence Dwight Smith
 Robert Ruffner Theobald
 Robinson Verrill

CLASS OF 1919

Parker Breese Allen
 Grenville Tremain Anderson
 Russell Hoadley Bennett
 Leighton Brewer
 Alexander Porteous Dann
 Edward deCerne
 Samuel Ewing Durand
 John Rocky Ellingston
 Kimball Lawrence Finkenzaedt
 Charles Norman Fitts
 James Eldrege Greene Fravell
 Edward McCrady Gaillard
 William MacGregor Hall
 Lawrence Hungerford Hansel
 Sherlock Andrews Herrick
 Thomas Calvin Jones

Julian Lewis Kahle
 Wilfred Sargent Lewis
 Burford Lorimer Porter
 Stuart Ogilvie Pusey
 Stewart Shirley Reynolds
 Guy Huntington Richards
 John Jay Schieffelin
 Louis Winfield Schmidt
 Thomas Joseph Sheehan
 Raymond Winthrop Smith
 Louis Lee Stanton
 Carr Meysenburg Thomas
 George Nesmith Walker
 Kenneth Axford Wood
 Stanley Benjamin Wright

† The Yale Corporation has voted that: "A student who, at any time after completing the work of his Junior year in Yale College or of the first term of his Senior year in the Sheffield Scientific School, withdraws to enter the Army, Navy, or Marine Corps of the United States and serves until the time of graduation of his class . . . [and] who shall have attained the rank of a commissioned officer or who can present a meritorious service record may become a candidate for a degree at any subsequent Commencement by giving timely notice to his Dean or Director of his intention to present himself at Commencement as a candidate for the degree of Bachelor of Arts or Bachelor of Philosophy *honoris causa*, and submitting his service record for approval, in lieu of additional residence. Candidates thus qualifying shall be enrolled under the year of graduation of their respective classes, but in separate lists."

CLASS OF 1920

John Williams Andrews
 Charles Lukens Bailey, 3d
 Francis Perkins Day
 Egbert Gotzian Driscoll
 Donald Stickney Dudley
 Charles Lewis Faherty
 Benjamin Clyde Griggs
 Francis Thayer Hobson
 Anson Phelps Stokes Hoyt
 John Grinnell Wetmore Husted
 Stuart Walcott Kellogg
 William Sherman Kelly, Jr.
 Blake Leigh Lawrence

John Tharp Lawrence
 Wildey Hubbell Mitchell
 Philip Theodore Ortman
 Charles Sheldon Pharis
 Harvey Swartley Reed
 Sherwood McKinney Sheldon
 George Monroe Sidenberg, Jr.
 Edward Porter Street
 Girault Terrill Thach
 Henry Sanford Thorne
 Richard Staats vanSantvoord
 Harold Wrigley Scott Walters

BACHELOR OF ARTS

WITH ENROLLMENT IN AN EARLIER CLASS

CLASS OF 1898.

Andrew Storrs Campbell

BACHELORS OF PHILOSOPHY

CLASS OF 1917

Leo John Houlihan

Milo H. Westerfield

CLASS OF 1918

Donald Romaine Brown
 Lucius Harold Collins
 Irving Goldman
 Stanley Todd Johnson
 Hubbard Lynch

Joseph Raymond Payden
 Joel Herbert Sharp
 Woodruff Romig Smith
 Herbert Raymond Soderston
 Wilbur Wyatt Walker

CLASS OF 1919

Earle Camp Brockett
 Donald Burnham
 Evan Thomas Croasdale
 Kirtland Wilcox Decherd
 Frederick Mewborn Fisk
 Joseph Nixon Gamble
 Irving Godfried
 William Black Griswold
 Elmer LaVerne Hewitt

Kendall Keely
 John Nelson Lee
 Alan Mayer Limburg
 Russell Gray Lloyd
 Francis Locke
 Russell Richard McCarthy
 David Joseph Molloy
 Louis Latané Montague
 James Joseph Murphy

Gratwick Field Patchell
 Julian Brewster Rice
 Frank Schermerhorn Sherwood
 Charles Randolph Wharton Smith
 Walton Bronson Smith

Robert Royal Steiger
 Hervey Love Stockder
 Chester Alexander Suppes
 Maurice Bernhard Ullman

CLASS OF 1920

Robert Leon Allyn
 Edmund Arnold Anderson
 Henry Chauncey Anderson
 John Stanley Armour
 Napoleon Falls Austin
 Wallace Norton Barker
 Edward Roy Barton
 Milton Benjamin Berman
 Henry Marfield Bolcom
 Wilmot Hyde Bradley
 John Delaplaine Britton
 Dexter Means Bullard
 Lester Francis Campbell
 LeGrand Cannon, Jr.
 Arthur Benjamin Carlson
 Carl Otto Carlson
 Henry Martyn Baird Chamberlin
 Erling Christophersen
 William Cohen
 Donald Couture
 Carle Hamilton Dane
 Rexford Daniels
 Avery Billings Davis
 Thomas Prince DeBardeleben
 Oscar Harding Dersheimer
 Donato Anthony D'Esopo
 Howard Donovan
 George Hoyt Downes
 Donald Gotzian Driscoll
 Sherwood Smith Eberth
 Benjamin Raymond Elk
 Henry Shelby Elliott
 Joseph Epstein
 Isidore Sydney Falk
 Julius Fleischmann, Jr.
 Walter Moss Frankenberger
 Lester Emanuel Frankenthal, Jr.
 Roger Gerald Franklin, B.A.
 Columbia University 1919
 John Wynn Fredericks
 David Freeman

Francis Gelber
 John Wesley Gilmour
 Morris Rosenbaum Glaser
 Edward Glazer
 Morris Gottlieb
 Bradley Cary Gray
 George Nelson Green
 Paul LeRoy Green
 Joseph Anthony Grimes
 Joseph Henry Hall, Jr.
 Philip Herman Halper
 Richard Pindell Hammond
 Henry Armour Haugh, Jr.
 Charles Stilson Hempstead
 Spencer Lawrence Henn
 Alfred Joseph Hoffmann
 Frederick Taylor Holliday
 Leo Vernon Horton
 McDowell Hosley
 Allen Hubbard, Jr.
 Frank Joseph Hubbell
 Joseph Lowthian Hudson
 Edward Twining Humphreys
 Francis Stillman Hyde
 Frederick Howard Jackson
 Kenneth Birdsall Jaffray
 Philip Brice Jameson
 Charles Harvey Johnson
 Crawford Toy Johnson, Jr.
 Jonathan Lathrop Johnson
 Samuel Josolowitz
 Samuel Karelitz, Jr.
 Harold Herman Kaufman
 Vincent Philip Kelehar
 Adelbert Dillon Knox
 Bruce Mackay Larrabee
 Clarence Lorenzo Lattin
 Milton Leand
 William Harry Levin
 Simon Levy
 Edward James Lonergan

Gordon Bostwick Maurer	Francis Joseph Sette
John Maxwell	William Allen Shapard, Jr.
William Mendel	Lewis Campbell Sheridan
Walter Homer Miller	Henry Munger Simmons
Rodney Halstead Mills	Joseph Warren Slomer
William Hamilton Milroy	Sterling Bishop Smith
Joe Usher Milward	Harold Spear
Ferdinand Nicolas Monjo, Jr.	Frederick Wood Stanton
Robert Alexander Johnston Morrison	William Matthew Steinecke
James Seymour Moulton	Robert Barton Strahan
Richard Alden North	Morris Straka
Malcolm Oakes	Morris Sweetkind
Joshua Rowen Oden, B.S.	Howard Canning Taylor, Jr.
University of Alabama 1919	Philip Brodt Taylor
Julius Anthony Olean	Elmer Jay Teagarden, Jr.
Charles William O'Neill	Roger John Templeton
Philip Ralph Pastore	Oscar Cornelius Thayer
Herbert Peacock	Paul Emery Thurlow
Rawley Martin Penick, Jr.	Tom Belding Towle
John Shuman Perry	Donald Case Townley
Philip Curtiss Platt	Edward John Tracey
Newbell Niles Puckett, B.S.	Leander Ledin Trolin
Mississippi College 1918	Harold Theodore Vogel
Isadore Rabinowitz	Donald Sanford Wallace
Arch Frank Rakatzky	Walter Thomas Walsh
Carl Henry Reker	Henry Wanger
Donald Jay Renkert	Wooster Wright Webber
Frederick William Roberts	Carnes Weeks
John Rogers, Jr.	Donald Phelps Welles
Bernhard Albert Rogowski	Edward Kenneth Welles
Marshall Jewell Root, Jr.	Gustav Wilens
Louis Samuel Rothschild	John Conrad Wittenberg
Samuel Leon Saltzman	Jacob Aaron Wittstein
Alan Magee Scaife	Leonard Robert Woods
Walton Scully	Lloyd VanVleet Young

†BACHELORS OF PHILOSOPHY, *HONORIS CAUSA*

CLASS OF 1917

Samuel Davenport Bridge, Jr.	Aaron Ward
Edwin Shepherd Munson	

CLASS OF 1918

Francis Lanson Adams	Roger Sherman Child
Edward House Andrews	George North Emory

† See footnote on page 492.

John Benjamin Hull
 Henry Ely Kyburg
 Chester James LaRoche
 Douglas Campbell Law
 Norman Alexander MacColl
 John Skeele
 Julian Carr Stanley

Chester Benton Stilson
 John Edwards Stryker, Jr.
 Robert Cummings Johnston Vance
 Franklin Wright Wedge
 William Dickinson Wilson
 Philip McKnight Zenner

CLASS OF 1919

Charles Mather Brooks, Jr.
 Franklin Earle Coe
 Richard Plaisted Drew

Edward Riker Hindley
 James Scarborough Thompson
 Witcher Raymond Walker

CLASS OF 1920

John Hamilton Flagg

John Franklin Hager, Jr.

BACHELOR OF PHILOSOPHY

WITH ENROLLMENT IN AN EARLIER CLASS

CLASS OF 1914

Harmon Francis Newell

BACHELORS OF THE FINE ARTS

Hyman Isaac Feldman
 Eleanor Louise Guernsey

Gilbert Stanley Underwood

BACHELORS OF MUSIC

Hans Bilger
 Hagop Frank Bozyan
 Walter Strong Edwards, B.A.
 Columbia University 1897
 Henry Richard Hallbauer

Russell James Keeney
 Louise Whitlow Mahan
 Antonio Rosselli
 Eunice Finch Wright

BACHELORS OF LAWS

Samuel Bennett Alderman, PH.B.
 Yale University 1913
 Harry Bernblum, PH.B.
 Yale University 1914
 Lyle Freeman Brown, B.S.
 University of Oregon 1912

Carl Sumner Byers, B.A.
 Washburn College 1917
 Dominic William Celotto, B.A.
 Yale University 1917
 Cornelius Breck Comegys, B.A.
 Yale University 1918

- John Munson Comley, B.A.
Yale University 1917, *magna cum laude*
- Theobald Eugene Conway, B.A.
Yale University 1917
- Victor Francis DeNezzo, B.S.
Trinity College 1916
- Nathan Edward Derecktor, B.A.
Yale University 1916
- Stephen Francis Dunn, B.A.
Trinity College 1914, *cum laude*
- William Murray Field, B.A.
Alabama Presbyterian College 1917, *cum laude*
- Thomas Raymond FitzSimmons, B.A.
College of the Holy Cross 1916
- Harry Freedman, PH.B.
Yale University 1917
- John Pooler Harbison, B.A.
Yale University 1918
- Charles Abraham Harrison, B.A.
Yale University 1918
- Frederick Charles Hesselmeier, PH.B.
Yale University 1916
- Hadleigh Hueston Howd, B.A.
Yale University 1918
- Kevin Kane, B.A.
St. Louis University 1916
- Ralph Howard King, B.A.
College of Idaho 1917, *cum laude*
- Raphael Korff, PH.B.
Yale University 1916
- Arthur G. Longman, B.A.
Cotner University 1909
- Donald Clemens McCarthy, B.A.
Trinity College 1916, M.A. 1917
- Arthur Mag, B.A.
Yale University 1918, *cum laude*
- Shirley M. Moore, PH.B.
University of Wisconsin 1908
- Hardwig Peres Posert, B.A.
Yale University 1918
- Burton Emmal Robinson, B.A.
University of Cincinnati 1914
- Nathan George Sachs, PH.B.
Yale University 1917
- Albert Samuel Salvin, B.A.
Yale University 1918
- Benjamin Shanefield, LITT.B.
Rutgers College 1917
- Harry Silverstone, B.A.
Yale University 1917
- Roscoe Bernard Turner, B.A.
College of Idaho 1916, *cum laude*
- George Dutton Watrous, Jr., PH.B.
Yale University 1916
- William Henry Wicker, B.A.
Newberry College 1917
- John Harold Williams, B.A.
Yale University 1917

BACHELORS OF LAWS

WITH ENROLLMENT IN AN EARLIER CLASS

CLASS OF 1900

- Franklin Atkins Lord, B.A.
Yale University 1898

CLASS OF 1907

- William Alexander Johnson

BACHELORS OF DIVINITY

- Frederick Crosby Allen, B.A.
Amherst College 1916
- Mingchien Joshua Bau, B.A.
Yale University 1918,
M.A. Columbia University 1919
- Archie Burns Bedford, B.A.
University of Missouri 1917,
Transylvania College of the Bible 1919
- Rees Higgs Bowen
cum laude
- Lewis Henry Brumbaugh, B.A.
Mt. Morris College 1917,
M.A. University of Chicago 1919
- Raymond Alexandre Augustus Claymes, B.A.
Harvard University 1916

- Albert Freeman Coyle, B.A.
Leland Stanford Junior University
1915
- Raymond Benjamin Culver, B.A.
McMinnville College, Oregon, 1914,
B.A. Yale University 1916
- Earl Everett Cummins, B.A.
Hiram College 1917
- Donald Hardy Dorchester, B.A.
Harvard University 1917
- Adolph Ingram Frantz, B.A.
Tabor College 1916
- Joseph Waddington Graves
Wesleyan College, Montreal, 1915
- Will Ashley Hawley
Elmo Benton Higham, B.A.
Butler College 1914
- Henry Francis Hine
Ralph Shelton Hudson, B.A.
Doane College 1915
- Merrill Nickerson Isely, B.A.
Fairmount College 1916
- Julius Kaaz
Rochester Theological Seminary 1899
- Robert Clayton Lemon, B.A.
Transylvania University 1914
- Herman Henry Luetzow, B.A.
Central College 1919
- Naseeb Mahfoud Malouf, B.A.
Bates College 1918
- Reuel Finney Markham, B.A.
Washburn College 1916
- John William Mulder
Julian Walter Nave, B.A.
McKendree College 1917
- Roy Gilmour Pavy, B.A.
Franklin College 1917,
M.A. University of Chicago 1918
- Antonio Perrotta
Theological Seminary, Colgate Uni-
versity 1919
- Dryden Linsley Phelps, B.A.
Yale University 1917, *cum laude*
- Warren Wheeler Pickett, B.A.
Yale University 1917
- Frédéric John Pieplow, B.A.
Waynesburg College 1917
- Ira David Pinson, B.A.
Benedict College 1912, M.A. 1913,
B.A. Colgate University 1918
- Henry Schultze, B.A.
Calvin College 1915
- Craig Walter Schwartz, B.A.
Hiram College 1913
- William Bert Sharratt, B.A.
Bethany College (W. Va.) 1915, M.A.
1917
- Isaac Chiakazeaka Steady, B.A.
Wilberforce University 1917
- Clarence Yates Wigfall, B.A.
Wofford College 1915
- William Jefferson Wilcoxon, B.A.
Central College 1917
- Thomas à Becket Young, B.A.
Transylvania University 1907

MASTERS OF ARTS

With Subjects of Study

- Gladden Whetstone Baker, B.A.
Washburn College 1916. Social and
Political Science
- Stephen Vincent Benét, B.A.
Yale University 1919. English
- Andrew Wilson Brown, B.A.
Acadia University 1912, M.A. 1913.
Philosophy, Psychology, and Edu-
cation
- Howard Swazey Buck, B.A.
Yale University 1916. English
- Henry Carter, B.A.
Yale University 1917. History
- Henderson Hamilton Donald, B.A.
Howard University 1915. Social and
Political Science
- John Dawson Hauslein, B.A.
University of Texas 1915, B.A. Yale
University 1916. Social and Political
Science
- William Harris Martin, B.A.
Bates College 1909. Philosophy, Psy-
chology, and Education
- John Moore, B.D.
Yale University 1918. Philosophy,
Psychology, and Education

Isaac Yahei Motomiya, B.D.
 Doshisha University 1914,
 B.D. Yale University 1918. Philoso-
 phy, Psychology, and Education
 Edward Simpson Noyes, B.A.
 Yale University 1913. English

Pauline Goetzee Pulcifer, B.L.
 University of California 1903. History
 Samuel Minas Rejebian, B.A.
 St. Paul's College 1904,
 B.D. Yale University 1915. Philoso-
 phy, Psychology, and Education

MASTER OF ARTS

WITH ENROLLMENT IN AN EARLIER CLASS

CLASS OF 1907

Henry Thomas Moore, B.A.
 Missouri University 1903, M.A. 1904

MASTERS OF SCIENCE

John Joseph Enright, PH.B.
 Yale University 1917
 Charles Shelby Gibbs, B.S.
 Bates College 1916
 George Preston Halliwell, B.S.
 Worcester Polytechnic Institute 1915
 Mary Louisa Long, B.A.
 University of California 1916

Willis McGerald Peirce, B.S.
 University of Illinois 1918
 Otto Frank Richter, PH.B.
 Yale University 1918
 Edward Paul Stengle, B.A.
 Yale University 1918

CIVIL ENGINEER

Emil Herbert Schneider, PH.B.
 Yale University 1916

MECHANICAL ENGINEERS

Melvin Chittenden Corbett, PH.B.
 Yale University 1914
 Charles Gibson Durfee, PH.B.
 Yale University 1918
 Paul Hettich Jeynes, PH.B.
 Yale University 1918

John Alexander Prior, PH.B.
 Yale University 1916
 Charles Fayette Taylor, PH.B.
 Yale University 1915
 Ralph Millard Warner, PH.B.
 Yale University 1916

ELECTRICAL ENGINEER

Russell Gillette Warner, PH.B.
 Yale University 1914

MASTERS OF FORESTRY

- | | |
|--|--|
| Bertram Eugene Claridge, PH.B.
Yale University 1918, <i>magna cum laude</i> | Edward Coit Peck, PH.B.
Yale University 1916 |
| Samuel Corbin, B.S.
Pennsylvania State College 1917 | Raymond Eaton Rendall, B.S.
University of Maine 1916 |
| Luther Sawyer Hope, B.A.
University of Toronto 1914 | Charles Edwin Sifferlen, B.S.
New York State College of Forestry,
Syracuse University 1916 |
| Joseph Hill Lay, B.S.
Cornell University 1918 | Thomas Stang
University of Christiania 1916 |
| Paul Lee, B.A.
Yale University 1918 | Clarence Wilford Watson, PH.B.
Yale University 1916 |
| Llewellyn VanAlst Lodge, B.S.
Cornell University 1918 | Lloyd Wilbur Wise, B.S.
Ohio State University 1918 |
| Carl Otto Løvenskiold
University of Christiania 1917 | Arthur Paul Wood, PH.B.
Yale University 1916 |

MASTER OF FORESTRY

WITH ENROLLMENT IN AN EARLIER CLASS

CLASS OF 1909

William Edwin Dunham, PH.B.
Yale University 1908

DOCTORS OF MEDICINE

- | | |
|---|---|
| Anthony Francis Alu, B.A.
Yale University 1918 | Philip Greenberg, PH.B.
Yale University 1916 |
| Louis Herbert Baretz, PH.B.
Yale University 1916 | Albert Joseph Howard, B.A.
Yale University 1917 |
| Oscar Brenner, B.A.
Yale University 1917 | Charles Emmanuel Kaufmann, PH.B.
Yale University 1909 |
| Michael Joseph Conroy, B.A.
Yale University 1918 | Ralph Edward McDonnell, B.A.
Yale University 1917, <i>cum laude</i> |
| Stanton Hoffman Davis, B.S.
Alfred University 1917 | Richard William Robinson, B.A.
Catholic University of America 1916 |
| Joseph William Draper, B.A.
Yale University 1917 | Helen May Scoville, B.A.
Wellesley College 1915, <i>cum laude</i> |
| Louise Whitman Farnam, B.A.
Vassar College 1912,
PH.D. Yale University 1916, <i>cum laude</i> | Deering Greeley Smith, B.A.
Dartmouth College 1917, <i>cum laude</i> |
| Roy Cameron Ferguson, B.A.
Yale University 1918 | John Edward Toole, B.A.
Yale University 1917 |
| Barnett Philip Freedman, PH.B.
Yale University 1916 | Wilmarth Bradford Walker, PH.B.
Yale University 1916 |
| | David Waskowitz, B.A.
Yale University 1918, <i>cum laude</i> |

RECIPIENTS OF CERTIFICATES IN PUBLIC HEALTH

Dorothy FitzGerald Holland, B.A.
Mount Holyoke College 1918

Myra May Hulst, B.A.
Vassar College 1913

DOCTORS OF PUBLIC HEALTH

Herbert Drury, M.D., C.M.
McGill University 1909,
C.P.H. Harvard University and Massa-
chusetts Institute of Technology
1917

James Frederick Rogers, M.D.
Yale University 1905, C.P.H. 1919

DOCTORS OF LAW

José Paciano Laurel, B.A.
La Regeneracion College 1912,
LL.B. University of the Philippines
1915

Karl Nickerson Llewellyn, B.A.
Yale University 1915, LL.B. 1918, *cum
laude*

Carroll Raymond Ward, B.A.
Dartmouth College 1911,
LL.B. Yale University 1916, *cum laude*

Shu-tang Yen, B.A.
Chihli Provincial College 1911,
LL.B. Pei-Yang University 1915,
LL.M. Columbia University 1918, *cum
laude*

DOCTORS OF PHILOSOPHY

With Subjects of Study

Charles Barkenbus, B.S.
Kalamazoo College 1917. Chemistry
Walter Andrew Bell, B.S.
Queen's University 1911. Geology
Arthur Dart Bissell, B.A.
Amherst College 1879, M.A. 1882,
B.D. Yale University 1882. Philosophy,
Psychology, and Education

Carl William Blegen, B.A.
University of Minnesota 1907,
B.A. Yale University 1908. Classics

Stuart Robert Brinkley, B.A.
Emory College 1909,
M.A. Columbia University 1914. Chem-
istry

Kirk Bryan, B.A.
University of New Mexico 1909,
B.A. Yale University 1910. Geology

Florian Anton Cajori, B.A.
Colorado College 1914. Physiological
Chemistry

Harry Hayward Charlton, B.A.
Lebanon Valley College 1914,
M.A. Yale University 1916. Zoology

John Joseph Donleavy, PH.B.
Yale University 1916, M.A. 1918. Chem-
istry

Jacob Benjamin Fishman, PH.B.
Yale University 1916. Chemistry
Robert Dudley French, B.A.
Yale University 1910, M.A. 1914. Eng-
lish

Ruth B. Howland, PH.B.
Syracuse University 1908, PH.M. 1909.
Zoology

George Sherwood Hume, B.A.
University of Toronto 1915. Geology
Martha Richardson Jones, B.S.

Peabody College 1915, M.A. 1915.
Physiological Chemistry

Walter Gerald Karr, B.S.
Alfred University 1913,
M.S. University of Illinois 1916. Phys-
iological Chemistry

Frederick William Lane, B.S.
Massachusetts Institute of Technol-
ogy 1914. Chemistry

- Chester Ray Longwell, B.A.
University of Missouri 1915, M.A.
1916. Geology
- William Sidney McCann, B.S.
Queen's University 1912. Geology
- Icie Gertrude Macy, B.S.
University of Chicago 1916,
M.A. University of Colorado 1918.
Physiological Chemistry
- Louis Leopold Mann, B.A.
University of Cincinnati 1910, M.A.
1912, Degree of Rabbi, Hebrew
Union College 1914. Philosophy,
Psychology, and Education
- Charles Stillman Morgan, B.A.
University of Michigan 1914. Social
and Political Science
- Marjorie Hope Nicolson, B.A.
University of Michigan 1914, M.A.
1918. English
- Julia Bayles Paton, B.A.
Smith College 1900, M.A. 1912. Botany
- Lyman Edwards Porter, B.A.
Yale University 1916, M.A. 1918.
Chemistry
- George Walter Pucher, B.S.
University of Washington 1917, M.S.
1918. Chemistry
- George Eric Simpson, B.S.
University of Illinois 1913,
M.A. Western Reserve University 1915.
Experimental Medicine
- Arthur Henry Smith, B.S.
Ohio State University 1915, M.S. 1916.
Physiological Chemistry
- William Shelton Sturges, Jr., Ph.D.
Yale University 1914, M.S. 1916. Bac-
teriology and Public Health
- Clifford Griffith Thompson, B.A.
Young Harris College 1903,
M.A. Yale University 1908. Philosophy,
Psychology, and Education

HONORARY DEGREES CONFERRED, JUNE 1920

DOCTOR OF DIVINITY

- Arthur Goodenough, B.A.
Yale University 1862, B.D. 1865

DOCTORS OF LAWS

- Thomas DeWitt Cuyler, B.A.
Yale University 1874,
LL.D. Lafayette College 1916
- Rt. Hon. Sir Auckland Campbell
Geddes, K.C.B.
George Watson's College, Edinburgh,
Edinburgh University
- Jean Adrien Antoine Jules Jusserand
B.ÈS SC. Lyons 1873,
LIC.ÈS DROIT Paris 1875,
D.ÈS LETTRES Lyons 1878,
LL.D. University of Chicago 1903,
Columbia University 1903,
University of Pennsylvania 1904,
McGill University 1904,
Princeton University 1917
- John Joseph Pershing, B.A.
Kirksville (Mo.) Normal School 1880,
U. S. Military Academy 1886,
LL.B. University of Nebraska 1893,
LL.D. University of Nebraska 1917,
University of St. Andrews (Scotland)
1919,
University of Cambridge (England)
1919,
University of Arizona 1920,
Columbia University 1920,
Harvard University 1920,
University of Missouri 1920,
George Washington (D. C.) University
1920,
Williams College 1920,
D.C.L. University of Oxford (England)
1919

DOCTOR OF LETTERS

Albert Feuillerat, PH.D.
 University of Paris,
 University of Louvain,
 LITT.D. University of Paris,
 University of Manchester

DOCTOR OF SCIENCE

Henry Prentiss Armsby, B.S.
 Worcester Polytechnic Institute 1871,
 PH.B. Yale University 1874, PH.D. 1879,
 LL.D. University of Wisconsin 1904

MASTERS OF ARTS

Preston Brown, B.A.
 Yale University 1892,
 Army School of the Line 1913,
 Army Staff College 1914

William Darrach, B.A.
 Yale University 1897

Herbert Edwin Hawkes, B.A.
 Yale University 1896, PH.D. 1900

Malcolm Lee McBride, B.A.
 Yale University 1900

Edward William Nelson

The following officers of the University received the degree of Master of Arts during the year in accordance with the By-Law of the Corporation which provides that:

"The degree of Master of Arts shall be conferred, *ex officio* and without public presentation, upon any person who is elected a member of the Corporation or attains professorial rank in the University, and has not already received its Master's or Doctor's degree.

"The Corporation may, in exceptional instances, confer the degree of Master of Arts, *ex officio*, upon persons rendering official services to Yale University who do not hold the title of Professor."

Robert Glasgow
 William Raymond Longley, B.A.
 Butler College 1902,
 PH.B. University of Chicago 1903,
 M.S. 1905, PH.D. 1906
 Carl Purington Rollins

Wilmon Henry Sheldon, B.A.
 Harvard University 1895, M.A. 1896,
 PH.D. 1899
 Frank Ellsworth Spaulding, PH.D.
 University of Leipsic 1894,
 LL.D. Amherst College 1920
 Burton Parker Twichell, B.A.
 Yale University 1901, LL.B. 1905

HONORS IN THE SEVERAL SCHOOLS, 1920

YALE COLLEGE

SENIOR HONORS, CLASS OF 1920

Honors of the First Rank

Donald Hatch Andrews, *Chemistry*
 Clark Smith Beardslee, *Greek*
 John Joseph Goldsmith, *Chemistry*
 Henry Robinson Luce, *History*
 Llewellyn Truman Spencer, *Psychology*
 William Dwight Whitney, *History*

Honors of the Second Rank

Raymond Hirst Berry, *Psychology*
 Arthur Minard Brooks, *Chemistry*
 Arthur Pite, *History*
 Alexander Donald Robertson, *History*
 William Low Russell, *Geology*
 DeForest VanSlyck, *History*

Honors of the Third Rank

Gilbert Stanley, *History*
 Calvin Durand Trowbridge, *History*

SENIOR APPOINTMENTS

(For the Work of the Whole College Course†)

PHILOSOPHICAL ORATIONS

CLASS OF 1919

Albert Willard Bromer
 John Franklin Carter, Jr.
 William Augustus Hanway

Rudolph Willard
Honoris Causa
 John Rocky Ellingston

CLASS OF 1920

Donald Hatch Andrews
 David Argyle Campbell
 John Joseph Goldsmith
 Clarence John Hylander

Walter Millis
 Henry Charles Schreier, Jr.
 Llewellyn Truman Spencer

HIGH ORATIONS

CLASS OF 1919

Hamilton Hadley
 Dean Kirkham Worcester

Honoris Causa
 Grenville Tremain Anderson

† The subdivision of a group by a dash indicates that the men whose names are below the dash were students in the College only during their Senior year.

CLASS OF 1920

Clark Smith Beardslee	Joseph Francis Jackson
Raymond Hirst Berry.	Frank John McKee, Jr.
Leicester Bradner	John Alfred Oneal
Bernard Brown	William Low Russell
John Seiler Brubacher	Charles Bradford Templeton, Jr.
William Mansfield Corcoran	Max Raydner Traurig
Kenneth Eugene Crounse	DeForest VanSlyck
Albro Newton Dana	Westwood Wallace
William Clyde DeVane, Jr.	Douglas Rider Wilson
Thomas Kilburn Dodd	
Louis Richard Gimbel	Charles Samuel Peete
Cadmus Zaccheus Gordon, Jr.	

ORATIONS

CLASS OF 1919

Francis Stuart Fitch Andrews	John Howard Mallon
William Cary Bowen	
Alexander Taylor Bunts	Tsu-fa Lee

Honoris Causa

Wilfred Sargent Lewis	Raymond Winthrop Smith
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CLASS OF 1920

Frank Gabriel Amatruda	Frederic Wehle Naumburg
Joseph Buchanan Bernardin	Alexander Caldwell Neave
Harry Clement Brogan	Arthur Hoadley Nichols
Arthur Minard Brooks	Arthur Pite
Frank William Dunn	Pierrepoint Isham Prentice
Ewing Everett	Alexander Donald Robertson
William Williams Keen Freeman	Barney Morris Rogoff
James Bliss Gray	Winthrop Parsons Stevens
John Morris Hincks	Raymond Florence Sullivan
Joseph Andrew Johnston	Spencer Vanderbilt
Richard Brown Jones	
Alexander Judah Lowenthal	Monta Colman Smithson
James Michael McKeon	
Wildey Hubbell Mitchell	<i>Honoris Causa</i>
Halsted Hawley Myers	Anson Phelps Stokes Hoyt

PRELIMINARY HONORS: JUNIOR CLASS

CLASS OF 1921

Thomas Hunt Clark, <i>History</i>
Howard Meredith Ehrman, <i>History</i>
Edwin Mims, Jr., <i>History</i>
Francis James Norton, <i>Chemistry</i>

RANKING SCHOLARS IN THE STUDIES OF JUNIOR YEAR, CLASS OF 1921

SCHOLARS OF THE FIRST RANK†

Robert Brigham	Joseph Markle
Delos Allen Chappell, Jr.	Francis James Norton
Raphael Malsin	

SCHOLARS OF THE SECOND RANK†

Arthur Cary Adams	Francis Dring Wetherell Lukens
Alexander Hayden Ardrey	Henry Julian Mali
André Alden Beaumont, Jr.	Edwin Mims, Jr.
Frederick McGeorge Bundy	Milton Nachamofsky
Alvin Frederick Cohen	John Philip O'Brien
Harlan Wooster Cooley	Palme Joel Peterson Oscarson, '20
James Sands Darling	Joseph Edward Richter
Richard Darrell Darrell	Charles Coles Robertson
Howard Meredith Ehrman	Walter Becker Schleiter
Morris Lincoln Fisher	Eli Yale Shorr
Frank William Ford	Philip Stringer
Roger Sherman Foster	Horace Scott Thomas
Robert Maynard Hutchins	John Joseph Wall
John Joseph Kelly	Theodore Charles Wiemer

SCHOLARS OF THE THIRD RANK†

Seibert Gruber Adams	Morton Judd Dunham
Robert Hugh Alcorn	Henry Whiting Ferris
Anthony Franklyn Arpaia	Gibson Gardner, '20
Harry Washington Asher, Jr.	Charles Mayo Goss
Paul Holton Ballou, '20	Howard Douglas Hadden
William Burnett Benton	Edmund Henry Hamann
Linde Jacob Bernstein	Eric Leonard Hedstrom
Thurston Pond Blodget	Joseph Albert Hirsch, '20
Robert Edward Blum	Howard Hopkins
Henry Hugh Bousman	Isaac Horton
Paul Palmer Bushnell	Richard Withington Howe
Reid Alexander Byron	Thomas Edwin Hurley
Hervey Parke Clark	Marcien Jenckes
Thomas Hunt Clark	Joseph Sumner Keeney
Linn Fenimore Cooper	James Warren Lane, '20
Paul Fenimore Cooper	Richard Malcolm Strong Leach
Philip Bishop Cowles	John Francis Lynch
John Guernsey Curtis	Evan Sidebottom McCord, Jr.
Eli Whitney Debevoise	John Percival Macnie
Richardson Dilworth	Edward Arnold Mag

† First rank, general average of 90 or above; second rank, 85-89; third rank, 80-84.

Patrick Mallon
 Philip Erskine Miles
 Benjamin Christie Nangle
 John Clancey Powers
 William McCreery Ramsey
 Edward Robinson
 Daniel Rochford
 Charles Pierson Roraback
 Ernest Emil Rutkowsky
 Alden Shepard
 Edwin Leonard Shevlin
 William VanLoan Taggart

Winston Bright Thomas
 Bryson Frederick Thompson
 Ronald Kamehameha vonHolt
 Thomas Hall Wagner, Jr.
 Dudley Pomp Walker
 Howard Waldron Waterman, '20
 Walter Wood Wicks
 Edward Whittemore Willcox
 George Powell Williams
 Henry Lane Williams, Jr.
 Eric Amasa Woolson

JUNIOR APPOINTMENTS, CLASS OF 1922

PHILOSOPHICAL ORATIONS

Frank Benjamin Davidson
 Harry Albert Haring, Jr.

Charles Roy Keller
 Robert Guthrie Page

HIGH ORATIONS

Timothy Francis Bannon
 Morton Mayer Berman
 Azariah Tripp Buffinton
 Edmond Selby Dillon
 James Athearn Folger, Jr.
 Carl Manfred Gottfried
 Lee Marvin Griswold
 Alexander Gordon Grove
 Lawrence Simons Harris
 Nelson Waldorf Hyde
 Henry Chapin Jackson
 Allen Sheppard Johnson
 Francis Joseph Kelliher, Jr.

Yale Kneeland, Jr.
 Scovel McGaw Lyon
 Arthur William McGrath
 William Peyton May
 Jarvis Means Morse
 Israel Nair
 Charles Holden Prescott, Jr.
 Eugene Joseph Raphael
 Harry Edward Rice, Jr.
 Stanton Edgar Rockwell
 David Lee Rosenau, Jr.
 Willard Wylie Spencer
 Morris Weinstein

ORATIONS

Morris Woods Abbott
 Wendell William Anderson
 Joseph Dexter Bennett, 2d
 Israel Blodinger
 Ward Cheney
 Humbert Francis Cofrancesco
 John Merrill Congdon
 Ralph Stuart Dial
 George Dimenstein
 Jason Russell Draper
 Montgomery Evans, 2d
 John Howard Hanway

Gilbert McCord Harris
 Frederick Vanuxem Hebard
 Sherman Reese Hoyt
 Harry Klebanoff
 Raphael Prince Koenig
 William Galey Lord
 Cargill MacMillan
 Orrin William Main
 Walter Rumsey Marvin, Jr.
 Spencer Hotchkiss Miller
 Richard Copeland Norton
 Charles Dudley Pratt

Harold Clarke Randall
Philip Reich
Gaius Barrett Rich, 3d
Manuel Sorrell Sachs
Harold Robert Schaal
Yates Gorham Smith
George Woolverton Stedman, Jr.
Harold Leo Stein

Bruce Rothrock Tuttle
Franklin Benjamin Tuttle
Alfred Percy Walker, Jr.
Harold Wendover Walton
George Alfred Warren
Harry Watstein
Charles Dickerman Williams

RANKING SCHOLARS IN THE STUDIES OF SOPHOMORE YEAR, CLASS OF 1922

SCHOLARS OF THE FIRST RANK†

Frank Benjamin Davidson
Alexander Gordon Grove

Charles Roy Keller

SCHOLARS OF THE SECOND RANK‡

Morris Woods Abbott
Malcolm Pratt Aldrich
Abraham Balter
Timothy Francis Bannon
Joseph Dexter Bennett, 2d
Morton Mayer Berman
Israel Blodinger
Edgar Ray Broenniman
Azariah Tripp Buffinton
Thomas Caldecot Chubb
Humbert Francis Cofrancesco
John Merrill Congdon
Charles Maurice DeLand, Jr.
Ralph Stuart Dial
Edmond Selby Dillon
George Dimenstein
Montgomery Evans, 2d
James Athearn Folger, Jr.
George Edward Gilchrist
Meyer Isaac Gordon
Carl Manfred Gottfried
Lee Marvin Griswold
John Howard Hanway
Harry Albert Haring, Jr.
Gilbert McCord Harris
Lawrence Simons Harris
Frederick Vanuxem Hebard
Nelson Waldorf Hyde

Henry Chapin Jackson
Allen Sheppard Johnson
Francis Joseph Kelliher, Jr.
Harry Klebanoff
Yale Kneeland, Jr.
Raphael Prince Koenig
Scovel McGaw Lyon
Arthur William McGrath
Cargill MacMillan
John Sawyer Marsh
Walter Rumsey Marvin, Jr.
William Peyton May
Charles Grafton Meyer
Spencer Hotchkiss Miller
Worthington Cogswell Miner
Jarvis Means Morse
Israel Nair
Richard Copeland Norton
Robert Guthrie Page
Arthur Wellesley Parsons
John Hall Paxton
Charles Holden Prescott, Jr.
Eugene Joseph Raphael
Harry Edward Rice, Jr.
Gaius Barrett Rich, 3d
Stanton Edgar Rockwell
David Lee Rosenau, Jr.
Manuel Sorrell Sachs

† General average of 90 or above.

‡ General average of 80-89.

Harold Robert Schaal
 George Schwolsky
 James Arnold Sloan
 Yates Gorham Smith
 Willard Wylie Spencer
 George Woolverton Stedman, Jr.
 Harold Leo Stein
 Bruce Rothrock Tuttle

Franklin Benjamin Tuttle
 Harold Wendover Walton
 George Alfred Warren
 Harry Watstein
 Morris Weinstein
 George Kenneth Whiteside
 Lester Pittman Widmeyer
 Charles Dickerman Williams

RANKING SCHOLARS IN THE STUDIES OF FRESHMAN YEAR, CLASS OF 1923

SCHOLARS OF THE FIRST RANK†

Benjamin Motoh Altschuler
 Arnold Samuel Askin
 Wallace Robert Bostwick
 Frederick Hamilton Chetlain
 Alfred Winfield Craven, Jr.
 Jesse Chase Dann, Jr.

Henry Robert Goldberg
 Lawrence Ridge Guild
 Samuel Tobias Markoff
 John Ball Stone
 Wayland Farries Vaughan

SCHOLARS OF THE SECOND RANK‡

Abraham Saul Alderman
 Bernard Lewis Alpert
 Hermann Bruno Arnold
 Parker Bailey
 Willis Jerome Ballinger
 Philip Biggett
 Edgar Joseph Bitz
 Abe Solomon Brown
 Edwin Hathaway Buck
 Kleber Alexander Campbell, Jr.
 Morgan Alton Casey
 Harry Aaron Cohen
 Dwight Pettee Colburn
 Arthur Linton Corbin, Jr.
 Lewis Perry Curtis
 Joseph Toy Curtiss, Jr.
 Benjamin Edmund David, Jr.
 Rolland Lamar Dean
 Perry McFaddin Duncan
 John Greenleaf Eliot
 Ralph Gideon Failing
 Robert Bishop Fiske
 Robert Elliot Fitch
 Harold Aloysius Flynn
 Maxwell Evarts Foster

Irving Samuel Gilmore
 Morris Goldstein
 John Stuart Gordon
 Gordon Sherman Haight
 Graham Roots Hall
 Lionel Howard Harris
 James Pomeroy Hendrick
 Sylvester Charles Joseph Horn
 Ellery Spaulding Husted
 Hugh Michael Joseloff
 Abraham Kane Kaufman
 Joseph Morton Kaufman
 John Hamilton King
 Claremont Judson Koenig
 Max Lerner
 Joseph Gregory Lynch
 John James MacKay
 Joseph Theodore Mathis
 Francis Otto Matthiessen
 Jacob Merriam
 Reynolds Churchill Miller
 George Parsons Milmine
 Alexander Mitchell
 Bennet Bronson Murdock
 John Kranz Notz

† General average of 90 or above.

‡ General average of 80-89.

Hiram Merrill Nowlan
 Harry Clifford Oard
 George Edward Olmstead
 John Sabine Owen, 2d
 Josiah Thompson Phinney
 Lee Moses Rumsey, Jr.
 Albert Lacy Russel
 Otto Alfred Schreiber
 Willard Saxton Seward
 Frederic Stanley Shaffer
 Edmund Buxton Shotwell
 Hayden Newhall Smith
 Garrett Reiff Stearly
 Kenneth Stoddard
 Charles Parker Stone, Jr.

Lincoln Cady Tisdale
 Henry John Traub
 Daniel Sylvester Tuttle, 2d
 Joseph Manson Valentine
 Ellis Cutler Vander Pyl
 Thomas Vennum
 Dana Greene vonSchrader
 Horace Jeremiah Voorhis
 Louis Francis Watermulder
 William Bidwell Welden
 Oliver Mayhew Whipple
 John Martin Whitaker
 Chauncey Pratt Williams, Jr.
 Theodore Albert Zunder

THE SHEFFIELD SCIENTIFIC SCHOOL

HONORS CONFERRED UPON THE CLASSES OF 1918, 1919, AND 1920

DEGREE OF BACHELOR OF PHILOSOPHY WITH DISTINCTION

CLASS OF 1918

Cum Laude

Stanley Todd Johnson, *Select*
 Joel Herbert Sharp, *Pre-Medical*

CLASS OF 1919

Magna Cum Laude

Elmer LaVerne Hewitt, *Mechanical Engineering*

CLASS OF 1920

Summa Cum Laude

Earle Camp Brockett, *Civil Engineering*
 Morris Gottlieb, *Select*
 William Mendel, *Chemistry*
 Morris Sweetkind, *Select*
 Howard Canning Taylor, Jr., *Pre-Medical*

Magna Cum Laude

Lester Francis Campbell, *Mechanical Engineering*
 William Cohen, *Combined Medical*
 George Hoyt Downes, *Electrical Engineering*
 Isidore Sydney Falk, *Biology*

Paul LeRoy Green, *Mechanical Engineering*
Henry Armour Haugh, Jr., *Electrical Engineering*
Philip Brice Jameson, *Mechanical Engineering*
Charles Harvey Johnson, *Mining*
Harold Herman Kaufman, *Select*
Clarence Lorenzo Lattin, *Electrical Engineering*
Gordon Bostwick Maurer, *Combined Medical*
James Seymour Moulton, *Mechanical Engineering*
Isadore Rabinowitz, *Chemistry*
Arch Frank Rakatzky, *Civil Engineering*
Bernhard Albert Rogowski, *Pre-Medical*
William Matthew Steinecke, *Chemistry*
John Conrad Wittenberg, *Mining*

Cum Laude

Carle Hamilton Dane, *Mining*
Howard C. Donovan, *Pre-Medical*
Joseph Epstein, *Combined Medical*
Irving Godfried, *Chemistry*
Samuel Joselowitz, *Chemistry*
Adelbert Dillon Knox, *Electrical Engineering*
Milton Leand, *Chemistry*
Francis Locke, *Mechanical Engineering*
Ferdinand Nicolas Monjo, Jr., *Mechanical Engineering*
Julius Anthony Olean, *Combined Medical*
Philip Ralph Pastore, *Mechanical Engineering*
Herbert Peacock, *Mechanical Engineering*
Samuel Leon Saltzstein, *Chemistry*
Sterling Bishop Smith, *Chemistry*
Harold Theodore Vogel, *Pre-Medical*
Donald Sanford Wallace, *Civil Engineering*

GENERAL TWO-YEAR HONORS FOR EXCELLENCE IN
ALL STUDIES

CLASS OF 1920

Henry Chauncey Anderson, *Electrical Engineering*
John Delaplaine Britton, *Select*
Sherwood Smith Eberth, *Mechanical Engineering*
Benjamin Raymond Elk, *Chemistry*
John Wynn Fredericks, *Select*
Philip Curtiss Platt, *Select*
Marshall Jewell Root, Jr., *Mechanical Engineering*
Walton Bronson Smith, *Mechanical Engineering*

GENERAL ONE-YEAR HONORS FOR EXCELLENCE IN
ALL STUDIES

CLASS OF 1920

Edmund Arnold Anderson, *Mining*
Milton Benjamin Berman, *Pre-Medical*
Henry Marfield Bolcom, *Civil Engineering*
Wilmot Hyde Bradley, *Chemistry*
Erling Christophersen, *Forestry*
Walter Moss Frankenberger, *Chemistry*
Roger Gerald Franklin, B.A. Columbia University 1919, *Chemistry*
Edward Twining Humphreys, *Biology*
Kenneth Birdsall Jaffray, *Mechanical Engineering*
Samuel Karelitz, Jr., *Combined Medical*
Richard Alden North, *Mechanical Engineering*
Newbell Niles Puckett, B.S. Mississippi College 1918, *Select*
Frederick William Roberts, *Pre-Medical*
Alan Magee Scaife, *Mechanical Engineering*
Oscar Cornelius Thayer, *Select*
Carnes Weeks, *Combined Medical*

HONORS CONFERRED UPON THE CLASS OF 1921

GENERAL TWO-YEAR HONORS FOR EXCELLENCE
IN ALL STUDIES

Benjamin Samuel Abeshouse, *Pre-Medical*
Abraham Adnopoz, *Pre-Medical*
Irving Theodore Bennett, *Metallurgy*
August Berman, *Chemistry*
Arnold Everett Bowen, *Electrical Engineering*
Harry Hancock Chase, *Mechanical Engineering*
Richard Joseph Connor, *Select*
David Davidson, *Chemistry*
Thomas Henry Draper, *Select*
Earle Seymour Durham, *Mechanical Engineering*
Wilfred George Geile, *Civil Engineering*
George Russell Hill, *Mechanical Engineering*
Donald Swift Hopkins, *Civil Engineering*
Kasson Howe, *Electrical Engineering*
Nathan Miller, *Select*
Thomas Brennan Nolan, *Metallurgy*
Laurent Oppenheim, Jr., *Mechanical Engineering*
Morris Leonard Pastroff, *Civil Engineering*
Edward William Perry, *Select*
Albert Morton Persoff, *Select*
Silik Herman Polayes, *Pre-Medical*
Arthur Otto Price, *Select*

Abraham Maurice Schaefer, *Pre-Medical*
Lauren Earl Seeley, *Mechanical Engineering*
John Joel Shively, *Mechanical Engineering*
Rufus Bennett Short, *Mechanical Engineering*
Norman Nathaniel Smith, *Pre-Medical*
Samuel Archibald Smith, Jr., *Mechanical Engineering*
Harold Paul Splain, *Select*
Lester Charles Stone, *Select*
Medford Wyle Stone, *Select*
Thomas Randolph Symington, *Select*
Mason Leo Thompson, *Civil Engineering*
Israel Weinraub, *Pre-Medical*
Ralph Gazell Wieland, *Metallurgy*
Edward Reel Williams, *Civil Engineering*

GENERAL ONE-YEAR HONORS FOR EXCELLENCE IN ALL STUDIES

Harold Chase Ashworth, *Select*
Paul Charles Blum, *Select*
Norman Dodd, *Select*
John Vincent Dwyer, *Mechanical Engineering*
Edward Patrick Francis Eagan, *Select*
Thomas Leonard Glass, *Select*
John Payne Kellogg, *Select*
Harrison McMichael, *Select*
William Bartlett Marshall, *Mechanical Engineering*
Keith Langdon Maurer, B.S. Amherst College 1917, *Electrical Engineering*
John Carl Merker, *Select*
Joseph Petrelli, *Pre-Medical*
Horace Ferguson Phelps, *Select*
Anthony Sperandeo, *Pre-Medical*
Alan Nathaniel Steyne, *Select*
Frank Elwood Stiles, *Pre-Medical*
James Lewis Woodruff, *Select*

HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS OF THE JUNIOR CLASS NOT RECIP- IENTS OF GENERAL HONORS

Christopher Columbus Baldwin, Jr., *History and Social Sciences*
Ronald Peck Boardman, *History and Social Sciences*
Donald Campbell Brock, *History and Social Sciences*
Walter Winchester Cox, *History and Social Sciences*
Carleton Louis Hoadley, *History and Social Sciences*

HONORS CONFERRED UPON THE CLASS OF 1922

GENERAL TWO-YEAR HONORS FOR EXCELLENCE
IN ALL STUDIES

Bromwell Ault, *Industrial and Engineering Chemistry*
Stanton Sherman Bailey, *Electrical Engineering*
Herman Harry Bogin, *Industrial and Engineering Chemistry*
Roger Chipman Brown, *Civil Engineering*
James William Clise, Jr., *Mechanical Engineering*
William Hardie Coke, *Industrial and Engineering Chemistry*
Herman Davidson, *Industrial and Engineering Chemistry*
Elliott DeForest, *Mechanical Engineering*
Clinton DeWitt Hanover, Jr., *Civil Engineering*
John Howard Houston, *Industrial and Engineering Chemistry*
William Kidwell Hutson, Jr., *Mechanical Engineering*
George Winthrop Jackman, *Mechanical Engineering*
Gordon Mears Markle, *Industrial and Engineering Chemistry*
David Moscovitz, *Industrial and Engineering Chemistry*
Clifford Moulton Myers, *Industrial and Engineering Chemistry*
Jacob Samuel Rashba, *Electrical Engineering*
Harold Harmond Richardson, *Metallurgy*
Francis Henry Stunkel, *Industrial and Engineering Chemistry*
Raymond William Young, *Mechanical Engineering*

GENERAL ONE-YEAR HONORS FOR EXCELLENCE IN
ALL STUDIES

Edward Leo Carey, *Industrial and Engineering Chemistry*
Whitney Bodman Hobbs, *Mechanical Engineering*
Philip West Thompson, *Civil Engineering*
Edwin Raymond Zeitz, *Electrical Engineering*

HONORS IN SPECIAL STUDIES AWARDED TO
STUDENTS OF THE SOPHOMORE CLASS NOT
RECIPIENTS OF GENERAL HONORS

Walter Verne Beaney, *Machine Drawing*

HONORS CONFERRED UPON THE CLASS OF 1923

HONORS FOR EXCELLENCE IN ALL STUDIES OF THE
FRESHMAN YEAR

Scholars of the First Rank

(General Average of A (90-94) in all subjects)

Edward Oliver Lanphier

Donald Grant Morrow

Theodore Tremain McCrosky

*Scholars of the Second Rank**(General Average of B (80-89) in all subjects)*

Russell Bennett Allen	Harry Gustave Lindwall
Rufus Adams Andrews	Louis Francis Lumaghi, Jr.
Glenn Castle Athey	Charles Stewart Parker
Maxwell Bogin	Nelson Chaffee Peck
John Henry Brinckerhoff	Albert John Phillips
Arthur Powell Cary	Leander Holden Poor
Fayette Dudley Chittenden	Harry W. Rabinowitz
Charles Hill Conklin	John Francis Riordan
Enoch Hall Doble	Harrison William Rose
Florian Joseph Fox	Herman David Ruhm, Jr.
Frederick Franklin	Alpheus Beede Stickney, 2d
Frank Vincent Frencik	Edward Jesup Taylor
Herman Harold Goldstein	Reuben Edward Thalberg
Philip Sands Graham	Samuel Caskey Turner
Arthur Fletcher Hall, Jr.	Norman Dahl Veä
Morris Hinenburg	Gurden Welles Wattles
John Talbott Houk	George Watson Webster
Bruce Porter Hyde	Henry Henke Wilkinson
Albert Norman Into	John Newman Wittenberg
Ralph Chester Jahnige	Paul Manthey Zorn
Hosford Dudley Kellogg, Jr.	

HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS
OF THE FRESHMAN CLASS NOT RECIPIENTS OF
GENERAL HONORS

George Michael Barbari, <i>French</i>	Lester Belding Inglis, <i>Mathematics</i>
Frank vanDiest Collins, <i>Chemistry</i>	Joseph Edward Lally, <i>Chemistry</i>
Thomas Cottiero, <i>French</i>	Nathan Levy, <i>Mathematics</i>

THE SCHOOL OF MEDICINE

DEGREE OF DOCTOR OF MEDICINE

Cum Laude

Louise Whitman Farnam, B.A.	Helen May Scoville, B.A.
Vassar College 1912,	Wellesley College 1915
PH.D. Yale University 1916	Deering Greeley Smith, B.A.
Ralph Edward McDonnell, B.A.	Dartmouth College 1917
Yale University 1917	David Waskowitz, B.A.
	Yale University 1918

THE DIVINITY SCHOOL

DEGREE OF BACHELOR OF DIVINITY

Cum Laude

Rees Higgs Bowen

Dryden Linsley Phelps, B.A.
Yale University 1917

THE SCHOOL OF LAW

DEGREE OF DOCTOR OF LAW

Cum Laude

Karl Nickerson Llewellyn, B.A.
Yale University 1915, LL.B. 1918
Carroll Raymond Ward, B.A.
Dartmouth College 1911,
LL.B. Yale University 1916

Shu-tang Yen, B.A.
Chihli Provincial College 1911,
LL.B. Pei-Yang University 1915,
LL.M. Columbia University 1918

DEGREE OF BACHELOR OF LAWS

Magna Cum Laude

John Munson Comley, B.A.
Yale University 1917

Cum Laude

Stephen Francis Dunn, B.A.
Trinity College 1914
William Murray Field, B.A.
Alabama Presbyterian College 1917
Ralph Howard King, B.A.
College of Idaho 1917

Arthur Mag, B.A.
Yale University 1918
Roscoe Bernard Turner, B.A.
College of Idaho 1916

THE SCHOOL OF FORESTRY

Magna Cum Laude

Bertram Eugene Claridge, Ph.B.
Yale University 1918

AWARDS OF PRIZES AND SCHOLARSHIPS

UNIVERSITY PRIZES AWARDED IN 1919

JOHN ADDISON PORTER PRIZE—Marjorie Hope Nicolson, B.A. University of Michigan 1914, M.A. 1918, Ph.D. Yale University 1920.

JAMES GORDON BENNETT PRIZE—No award.

PHILO SHERMAN BENNETT PRIZE—Max Raydner Traurig, B.A. Yale University 1920.

ALBERT STANBURROUGH COOK PRIZE IN POETRY—No award.
COBDEN CLUB SILVER MEDAL—No award.
JACOB COOPER PRIZE IN GREEK PHILOSOPHY—No award.
GEORGE WASHINGTON EGLESTON HISTORICAL PRIZE—No award.
MASEFIELD POETRY PRIZE—Class of 1922, Thomas Caldecot Chubb.
MENORAH SOCIETY PRIZE—No award.
METCALF PRIZE—No award.
FRANCIS JOSEPH VERNON MEMORIAL PRIZE—No award.

GRADUATE FELLOWS AND SCHOLARS, 1920-21

[See Section I.]

PRIZES AWARDED IN YALE COLLEGE

SCHOLARS OF THE HOUSE

AWARDED AFTER COMPETITIVE EXAMINATIONS

BRISTED SCHOLAR—Class of 1922, Morton Mayer Berman.
HURLBUT SCHOLAR—Class of 1923, George Parsons Milmine.
WOOLSEY SCHOLARS—Class of 1922, Morton Mayer Berman; Class of 1923, Parker Bailey.

AWARDED BY THE FACULTY

WALTER JOSEPH AUSTRIAN SCHOLAR—Class of 1922, Charles Roy Keller.
JOHN BENNETTO SCHOLAR—Class of 1921, Robert Maynard Hutchins.
FRANCIS GORDON BROWN SCHOLAR—Class of 1921, Henry Julian Mali.
ROBERT CALLENDER SCHOLAR—Class of 1922, Nelson Waldorf Hyde.
JOHN J. COX SCHOLAR—Class of 1921, Richmond Wilcox Landon.
FISKE SCHOLARS—Class of 1921, Walter Wood Wicks; Class of 1923, Ralph Gideon Failing.
THOMAS HAMLIN CURTIS SCHOLAR—Class of 1921, Henry Hugh Bousman.
EDWARD J. GARVAN SCHOLAR—Class of 1923, Frederic Stanley Shaffer.
JAMES J. HOGAN SCHOLAR—Class of 1923, Ralph Edward Jordan.
HOLMES SCHOLARS—Class of 1921, William Bernard Moore; Class of 1923, Abe Solomon Brown.
SCOTT HURTT SCHOLARS—Class of 1921, Richard Withington Howe; Class of 1922, Richard Copeland Norton.
WALTER WATERS HUSTED SCHOLAR—Class of 1922, Lawrence Ridge Guild.
LEARNED SCHOLARS—Class of 1923, William Winslow Croskey and Harry Clifford Oard.
DANIEL LORD SCHOLAR—Class of 1922, Willard Wylie Spencer.
GEORGE DEFOREST LORD SCHOLAR—Class of 1921, John Joseph Wall.
MEAD SCHOLAR—Class of 1918, Arthur Sheldon Griswold.
MENDELSON SCHOLARS—Class of 1920, Walter Anker Peterson; Class of 1923, Ellis Cutler Vander Pyl.

- ALFRED BARNES PALMER SCHOLAR—Class of 1922, Charles Dudley Pratt.
ARTHUR LARNED RYERSON SCHOLAR—Class of 1923, John James MacKay.
ANTHONY D. STANLEY SCHOLAR—Class of 1923, Frederick Hamilton Chetlain.
THOMAS GLASBY WATERMAN SCHOLARS—Class of 1921, Edwin Mims, Jr., and Francis James Norton.
JOHN REED WILLIAMS SCHOLAR—Class of 1923, Dwight Pettie Colburn.
LISPENARD STEWART WITHERBEE SCHOLARS—Class of 1921, Philip Bishop Cowles and Horace Scott Thomas.

ALUMNI AND FAMILY SCHOLARSHIPS

- BOARDMAN SCHOLARS—Class of 1922, John Palmer Bankson, Jr.; Class of 1923, Claremont Judson Koenig.
BOSTON ALUMNI SCHOLARS—Class of 1921, Charles Langdon Parsons; Class of 1922, Malcolm Pratt Aldrich.
CHICAGO ALUMNI SCHOLAR—Class of 1921, Edward William Siemens.
CLEVELAND ALUMNI SCHOLARS—Class of 1922, Ralph Stuart Dial and Charles Roy Keller.
DAVID C. DEFOREST SCHOLAR—Class of 1921, Curtiss Keith Thompson.
JOSEPH ELIOT SCHOLAR—Class of 1922, Roger Mirick Woolley.
HARTFORD ALUMNI SCHOLAR—Class of 1922, Joseph William Cohen.
HAWAII ALUMNI SCHOLAR—Class of 1922, Charles Dudley Pratt.
JOHN C. HOLLEY MEMORIAL SCHOLAR—Class of 1921, Donald Cogswell Johnson.
JOHNES SCHOLAR—Class of 1921, William VanLoan Taggart.
JONES SCHOLAR—Class of 1922, Neal Dawson Kelly.
LITCHFIELD COUNTY UNIVERSITY CLUB SCHOLAR—Class of 1922, George Alfred Warren.
MAHLON LONG SCHOLAR—Class of 1922, Alexander Gordon Grove.
MORRIS W. LYONS SCHOLARS—Class of 1921, Stephen Roe Kiehel; Class of 1922, Carl Ernest Bricken; Class of 1923, Morgan Alton Casey and Stephen I-O Tsai.
NEW HAVEN ALUMNI SCHOLAR—Class of 1921, Bernard Robbins.
NEW HAVEN HIGH SCHOOL SCHOLARS—Class of 1921, Joseph Crawford Polley; Class of 1922, Humbert Francis Cofrancesco; Class of 1923, Max Lerner.
ALUMNI ASSOCIATION OF THE NORTHWEST SCHOLAR—Class of 1921, William Burnett Benton.
CHARLES H. PINE SCHOLAR—Class of 1922, Edward Joseph Scully.
PLAINFIELD SCHOLAR—Class of 1921, Donald Cogswell Johnson.
ROCHESTER ALUMNI SCHOLAR—Class of 1921, Horace Scott Thomas.
SOUTHERN CALIFORNIA SCHOLAR—Class of 1923, William Charles Kernan.

UNDERGRADUATE PRIZES AND PREMIUMS, 1920-21**PRIZES OPEN TO SEVERAL CLASSES**

LUCIUS F. ROBINSON LATIN PRIZES—1st Prize, Palme Joel Peterson Oscarson, Class of 1921; 2d Prizes, Wallace Agnew Kelley and Llewellyn Truman Spencer, Class of 1920.

THACHER PRIZES—1st Prizes, Walter Millis and William Dwight Whitney, Class of 1920; 2d Prizes, Henry Robinson Luce and Max Raydner Traurig, Class of 1920; Edwin Mims, Jr., and Daniel Rochford, Class of 1921.

JOHN HUBBARD CURTIS PRIZE—Harold Stark, Class of 1921.

JOHN ADDISON PORTER PRIZE IN AMERICAN HISTORY—No award.

ANDREW D. WHITE HISTORY PRIZE—John Greenleaf Eliot, Class of 1923; with honorable mention of Willis Jerome Ballinger, Class of 1923.

ANTHONY D. STANLEY MATHEMATICAL PRIZES—Frederick McGeorge Bundy and Raphael Malsin, Class of 1921.

CHARLES WASHBURN CLARK PRIZE—No award.

CLASS OF 1868 PRIZE—Joseph Albert Hirsch, Class of 1920; with honorable mention of Guy Huntington Richards and James Knox Millen, Class of 1919.

SENIOR PRIZES, CLASS OF 1920

DEFOREST PRIZE—Henry Robinson Luce, with honorable mention of John Williams Andrews.

TOWNSEND PREMIUMS—John William Andrews, Cadmus Zaccheus Gordon, Jr., Richard Whitmore Griswold, Max Raydner Traurig, and Amos Niven Wilder.

DEFOREST MATHEMATICAL PRIZE—No award.

MONTAIGNE PRIZE—No award.

JUNIOR PRIZES, CLASS OF 1921

WINTHROP PRIZES—No award.

SCOTT PRIZE IN FRENCH—Raphael Malsin, with honorable mention of Charles Brownell Carroll.

SCOTT PRIZE IN GERMAN—Milton Nachamofsky.

HENRY JAMES TENEYCK PRIZES—1st Prize, Henry Hugh Bousman; 2d Prize, Edwin Mims, Jr.; 3d Prizes, Eli Whitney Debevoise, John Philip O'Brien, and Abraham Stodel Ullman.

GORDON BROWN MEMORIAL PRIZE—Henry Julian Mali.

SOPHOMORE PRIZES, CLASS OF 1922

LUCIUS F. ROBINSON LATIN PRIZES—1st Prize, Morris Weinstein; 2d Prize, Harold Robert Schaal; 3d Prize, Morton Mayer Berman.

C. WYLLYS BETTS PRIZE—Yale Kneeland, Jr., with honorable mention of Worthington Cogswell Miner.

DONALD ANNIS PRIZE—Robert Guthrie Page.

DETTRA PRIZE—No award.

BENJAMIN F. BARGE MATHEMATICAL PRIZES—1st Prize, Charles Holden Prescott, Jr.; 2d Prize, no award.

FRESHMAN PRIZES, CLASS OF 1923

BERKELEY PREMIUMS IN LATIN COMPOSITION—1st Grade, Parker Bailey and Henry Robert Goldberg; 2d Grade, Victor Homentowski, John Hamilton King, and George Parsons Milmine.

McLAUGHLIN PRIZES—1st Prize, no award; 2d Prize, Theodore Albert Zunder.

WINSTON TROWBRIDGE TOWNSEND PRIZES—1st Prize, no award; 2d Prize, Henry Robert Goldberg; 3d Prize, William Huse Dunham, Jr.

BENJAMIN F. BARGE MATHEMATICAL PRIZES—1st Prize, Rollin Ellis Miller; 2d Prize, Joseph Gregory Lynch; 3d Prize, Frederick Hamilton Chetlain.

*PRIZES AWARDED IN THE SHEFFIELD
SCIENTIFIC SCHOOL, 1920*

SCHOLARS OF THE HOUSE, 1920-21

BENJAMIN F. BARGE SCHOLAR—Class of 1923, Richard Wooster Stevens.

BOARDMAN SCHOLARS—Class of 1921, George Russell Hill and Lauren Earl Seeley.

BRIDGEPORT ALUMNI SCHOLAR—Class of 1921, David Michael Raskind.

CLASS OF 1888 S. SCHOLARS—Class of 1921, Irving Theodore Bennett; Class of 1922, Kenneth Ellsworth Greene; Class of 1923, Lester Belding Inglis and Gilbert Irving Ross.

CLASS OF 1901 S. SCHOLAR—Class of 1919, Charles Edward Swingley.

CLEVELAND ALUMNI SCHOLARS—Class of 1923, Harrison William Rose and Paul Manthey Zorn.

DANBURY SCHOLAR—Class of 1924, Felix F. Tomaino.

DeFOREST SCHOLARS—Class of 1922, Elliott DeForest; Class of 1923, John Carter Glenn.

DAVID GALLUP SCHOLARS—Class of 1921, Norman Nathaniel Smith and Frank Elwood Stiles; Class of 1923, Phillips Garner Pearson.

HAWAIIAN ALUMNI SCHOLAR—Class of 1921, Gordon Denny Brown.

HOLMES SCHOLAR—Class of 1921, Richard Irving Williams.

KINGMAN SCHOLAR—Class of 1921, George Anthony Clarke.

ROBERT DOUGLAS MEACHAM SCHOLAR—Class of 1921, Stephen Paxson Darlington, 2d.

MOORE SCHOLARS—Class of 1919, Leslie Anton Homrich; Class of 1922, Archer Burnham Hamilton.

NEW HAVEN HIGH SCHOOL SCHOLARS—Class of 1921, Thomas Brennan Nolan; Class of 1923, Russell Bennett Allen.

CHARLES H. PINE SCHOLAR—Class of 1923, John Francis Riordan.

PLAINFIELD SCHOLARS—Class of 1921, Arnold Everett Bowen; Class of 1922, Roger Chipman Brown.

PHILADELPHIA ALUMNI SCHOLAR—Class of 1921, Thomas Vernon Dickens.

PROVIDENCE ALUMNI SCHOLAR—Class of 1919, Harold Morris Peters.

ROGERS SCHOLAR—Class of 1921, David Davidson.

ALAN HARRY SIMON SCHOLAR—Class of 1923, Albert Norman Into.

THOMAS VINCENT STILWELL SCHOLAR—Class of 1922, Ira Sutherland Shattuck.

E. BLISH THOMPSON SCHOLARS—Class of 1919, Wilfred George Geile; Class of 1922, Francis Henry Stunkel.

LEWIS BAKER WARREN SCHOLAR—Class of 1923, Philip Chester Doran.

UNDERGRADUATE PRIZES AND PREMIUMS, 1920

CLASS OF 1920

For EXCELLENCE IN CIVIL ENGINEERING—Earle Camp Brockett, with honorable mention of Arch Frank Rakatzky.

For EXCELLENCE IN ELECTRICAL ENGINEERING—Henry Armour Haugh, Jr., with honorable mention of George Hoyt Downes.

For EXCELLENCE IN MECHANICAL ENGINEERING—Paul LeRoy Green, with honorable mention of Elmer LaVerne Hewitt, and James Seymour Moulton.

For EXCELLENCE IN MINING ENGINEERING—Divided between Charles Harvey Johnson and John Conrad Wittenberg.

For EXCELLENCE IN HISTORY—Morris Sweetkind.

THE BELKNAP PRIZE IN BIOLOGICAL STUDIES—Howard Canning Taylor, Jr.

THE BELKNAP PRIZE IN GEOLOGICAL STUDIES—Howard Canning Taylor, Jr.

THE AURELIAN HONOR SOCIETY PRIZE IN MECHANICAL ENGINEERING—Jack Aaron Wittstein, with honorable mention of Elmer LaVerne Hewitt.

THE DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY, awarded to Erling Christophersen.

THE PAGE SCHOLARSHIP IN ANTHROPOLOGY AND THE SCIENCE OF SOCIETY, awarded to Newbell Niles Puckett, B.S. Mississippi College 1918.

CLASS OF 1921

THE ROGERS SCHOLARSHIP, For Excellence in the Studies of the Chemical Course, awarded to David Davidson.

THE PENFIELD PRIZE, For Excellence in Mineralogy, awarded to David Davidson.

STONE TRUST CORPORATION SCHOLARSHIP PRIZES

PRIZE IN SPANISH, of One Hundred Dollars, divided between Nathan Miller and Arthur Otto Price, with honorable mention of Medford Wyle Stone.

PRIZE IN ENGLISH COMPOSITION, of One Hundred Dollars, awarded to George Willard Horne, with honorable mention of Alan Nathaniel Steyne, John Joel Shively, and Harold Paul Splain.

CLASS OF 1922

STONE TRUST CORPORATION SCHOLARSHIP PRIZE

PRIZE IN MATHEMATICS, of One Hundred Dollars, awarded to Jacob Samuel Rashba, with honorable mention of Elliott DeForest.

CLASS OF 1923

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, ENGINEERING SCIENCE GROUP—Theodore Tremain McCrosky, with honorable mention of Edward Oliver Lanphier.

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, NATURAL SCIENCE GROUP—Donald Grant Morrow.

FOR EXCELLENCE IN MATHEMATICS, ENGINEERING SCIENCE GROUP—Edward Oliver Lanphier, with honorable mention of Theodore Tremain McCrosky; NATURAL SCIENCE GROUP—Donald Grant Morrow, with honorable mention of Frank Vincent Frencik.

FOR EXCELLENCE IN CHEMISTRY—Edward Oliver Lanphier.

FOR EXCELLENCE IN GERMAN—Donald Grant Morrow, with honorable mention of Harrison William Rose.

FOR EXCELLENCE IN FRENCH—Frank Vincent Frencik, with honorable mention of Henry Henke Wilkinson.

FOR EXCELLENCE IN SPANISH—Theodore Tremain McCrosky.

FOR EXCELLENCE IN ENGLISH LITERATURE—Theodore Tremain McCrosky.

FOR EXCELLENCE IN HISTORY AND GOVERNMENT—Theodore Tremain McCrosky.

PRIZES AWARDED IN THE FRESHMAN YEAR, 1924

CONNECTICUT HIGH SCHOOL SCHOLARS—(New Haven County) Theodore Parker Bartlett; (Fairfield County) Max Taylor; (Hartford) Morgan Hanlon Alvord; (New Britain) Bernard Menas Chernoff; (Hartford County) George Joseph Scott; (Litchfield) Lyman Hereford Steele; (Windham County) Albert Lewis Bowen; (New London County) Foster Kent Sistare; (State at Large) Charles Oscar Gregory; (New Haven) Edmund Tait Silk and Stuart Burton Rowe.

NEW HAVEN HIGH SCHOOL SCHOLARS—Harold Joseph Russo and Harold Witt.

PHILO CHATFIELD HOTCHKISS MEMORIAL FUND SCHOLAR—Frank William Flood.

HUGH CHAMBERLAIN GREEK PRIZE—Charles Bradford Wells.

SAMUEL GALPIN LATIN PRIZE—Edmund Tait Silk, with honorable mention of Arthur Krom.

PRIZES AWARDED IN THE SCHOOL OF MEDICINE,

1920

CAMPBELL GOLD MEDAL—Class of 1920, Louise Whitman Farnam, B.A. Vassar College 1912, Ph.D. Yale University 1916.

KEESE PRIZE—Class of 1920, Stanton Hoffman Davis, B.S. Alfred University 1917; honorable mention, Barnett Philip Freedman, Ph.B. Yale University 1916; Philip Greenberg, Ph.B. Yale University 1916; Albert Joseph Howard, B.A. Yale University 1917; Richard William Robinson, B.A. Catholic University of America 1916.

PARKER PRIZE—Class of 1920, Wilmarth Bradford Walker, Ph.B. Yale University 1916.

RAMSAY SCHOLARS—Class of 1922, Alfred Maurice Wakeman, B.A. Yale University 1919; alternate, Ephraim Shorr, B.A. Yale University 1919.

PERKINS SCHOLAR—Class of 1923, Gordon Bostwick Maurer.

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PINE SCHOLAR—Class of 1922, James Joseph Fleming.

MCCLUNG SCHOLAR—Class of 1922, James Joseph Fleming.

PRIZES AWARDED IN THE DIVINITY SCHOOL, 1920

DEAN'S PRIZE for the best expository sermon—No award.

DOWNES PRIZES in the reading of the Scriptures and Hymns—Class of 1921, First Prize, Edwin Roy Holden, B.A. Wesleyan University 1918; Second Prize, William Albert Dalton, B.A. Des Moines Baptist College 1914. Class of 1922, First Prize, Albert Buckner Coe, B.A. Western Maryland College 1909; Second Prize, Earl Franklin Nauss, B.A. Huntington College 1917.

MERSICK SERMONIC PRIZES—Class of 1921, First Prize, Elmore McNeill McKee, B.A. Yale University 1919; Second Prize, Paul Austin Wolfe, B.A. Carleton College 1918.

MERSICK PRIZES FOR EXCELLENCE IN THE DEPARTMENT OF ELOCUTION—Class of 1920, First Prize, Frederick Crosby Allen, B.A. Amherst College 1916; Second Prize, William Jefferson Wilcoxon, B.A. Central College 1917; Third Prize, Ira David Pinson, B.A. Benedict College 1912, M.A. 1913, B.A. Colgate University 1918. Class of 1921, First Prize, Alva Hobart Sholty, B.A. Otterbein College 1917, Second Prize, Edwin Roy Holden, B.A. Wesleyan University 1918; Third Prize, Ralph Orin Harpole, B.A. Christian University 1915, M.A. 1916. Class of 1922, First Prize, Earl Franklin Nauss, B.A. Huntington College 1917; Second Prize, Donald George Smith, B.A. Carleton College 1919; Third Prize, Milton Stacey Czatt, B.A. Otterbein College 1916.

MERSICK PRIZES FOR INTERCOLLEGIATE DEBATING—No awards.

SECOND TERM, 1919-20

FOGG SCHOLARS—Class of 1921, Elmore McNeill McKee, B.A. Yale University 1919; Clarence Ebenezer Victor Nathanielsz, B.H. Springfield Y. M. C. A. College 1911; Wilfred Evans Powell, B.A. Phillips University 1918; Paul Austin Wolfe, B.A. Carleton College 1918. Class of 1922, Eugene Garrett Bewkes, B.S. Colgate University 1919; Harding Woods Gaylord, B.A. Clark College 1912; Carl Newton Rexroad, B.A. McPherson College 1918.

ALLIS SCHOLARS—Class of 1921, Hubert Noland Dukes, B.A. Wofford College 1915; Oswald John Goulter, B.A. Phillips University 1919; Ralph O. Harpole, B.A. Christian University 1915, M.A. 1916; Samuel Leslie Reid, B.A. University of North Carolina 1918; Charles E. Reidt, B.A. North-Western College 1916; Frank Tilghman Rhoad, B.A. Beloit College 1919. Class of 1922, Lenn Andrew Brumbaugh, B.A. Cotner College 1916; Allan Knight Chalmers, B.A. Johns Hopkins University 1918; Milton

Stacey Czatt, B.A. Otterbein College 1916, Howard Scott Hardcastle, B.A. Elon College 1919; Earl Franklin Nauss, B.A. Huntington College 1917; William Ernest Sullens, B.A. Central College 1908; Daniel Curtis Troxel, B.A. Cotner College 1912.

PRIZES AWARDED IN THE SCHOOL OF LAW, 1920

JOSEPH PARKER PRIZE—No award.

TOWNSEND PRIZE—No award.

SAMUEL J. ELDER PRIZES—No awards.

THIRD YEAR PRIZE—John Munson Comley, B.A. Yale University 1917.

JEWELL PRIZE—Charles Phelps Taft, 2d, B.A. Yale University 1918.

WAYLAND PRIZES—First prize, Edward Walter Bourne, B.A. Yale University 1919; second prize, William Murray Field, B.A. Alabama Presbyterian College 1917; third prize, Raymond Earl Baldwin, B.A. Wesleyan University 1916.

MUNSON PRIZES—First prize, Ralph Howard King, B.A. College of Idaho 1917; second prize, Hugh Nelson Caldwell, B.A. College of Idaho 1917; third prize, John Harold Williams, B.A. Yale University 1917.

THE CYC PRIZE—No award.

THE FIRST YEAR PRIZE—Joseph Hixon Colman, B.A. Yale University 1918.

GALLAGHER PRIZE—William Henry Wicker, B.A. Newberry College 1917.

PRIZES AWARDED IN THE SCHOOL OF THE FINE ARTS, 1920

WILLIAM WIRT WINCHESTER FELLOW—Edna Frances Edell.

ALICE KIMBALL ENGLISH SCHOLAR—Cyril Crofton Cullen.

JOHN FERGUSON WEIR SCHOLAR—Max Russell Woodson.

TERM SCHOLARS—First term, 1920-21, Florence Smirnow, William Henry DeMond, Jr., Sterling Hubert Reid.

HONORABLE MENTION—In Drawing, Odile Alice Schenker, Velma Lee Paris, Walter Rice Brewster, of the Class of 1921, Yale College; in Painting, Agnes Woolsey Bacon and Florentine Smith.

SPECIAL HONORABLE MENTION—In Sculpture and Painting, Eleanor Louise Guernsey; in Sculpture and Life Drawing, Elisabeth Kendall.

FANNIE B. PARDEE PRIZE IN SCULPTURE—Elisabeth Kendall.

FRANCES E. OSBORNE KELLOGG PRIZE IN ARCHITECTURE—Clement Buffum Lewis, B.A. Yale University 1919; placed second, Lorenzo Hamilton; placed third, William Douglas, B.A. Yale University 1918; with mention of Donald Malcolm Campbell, Jr., B.A. Yale University 1919; Daniel William Murphy, Daniel Weinstein.

ETHEL CHILDE WALKER PRIZE—Kathryn Shook.

PRIZE IN ADVANCED ANATOMY—Ada Gilbert Shea.

PRIZE IN ELEMENTARY ANATOMY—Earl Hoffman Smith.

DEPARTMENT OF ARCHITECTURE ELECTIVE SCHOLARSHIPS—William Douglas, B.A. Yale University 1918; Percy Ernest Isbell, B.A. Yale University 1920.

BUFFALO ALUMNI SCHOLAR—Francis Barker Valentine.

PRIZES AWARDED IN THE SCHOOL OF MUSIC, 1920

SAMUEL SIMONS SANFORD FELLOW—Louise Lockwood, Mus.B. Yale University 1918.

LOCKWOOD SCHOLARS—In Organ-Playing, Carlton Wheeler L'Hommedieu; in Singing, divided between Anna Luiza White and Alfred Henry Johnson.

FRANCES E. OSBORNE KELLOGG PRIZE—Wesley Wellington Sloane.

STEINERT PRIZE—William Quincy Porter, with honorable mention of Henry Richard Hallbauer.

BENJAMIN JEPSON MEMORIAL PRIZE—Augusta Victoria Pearce.

PRIZE FOR ORGAN-PLAYING—Thure Waldemar Fredrickson.

PRIZES FOR BEST ENTRANCE EXAMINATIONS IN PIANOFORTE-PLAYING—Beth Loring Neal and Helen Virginia Cain.

*PRIZES AWARDED IN THE SCHOOL OF FORESTRY,
1920*

THE GOODYEAR SCHOLARSHIP—Bertram Eugene Claridge, Ph.B. Yale University 1918; Lloyd Wilbur Wise, B.S. Ohio State University 1918; John Wasilik, Jr., Ph.B. Yale University 1917; Chuan Fah Yao, B.A., M.S. Shanghai College 1915, Denison University 1919.

WILLIAM EGBERT WHEELER PRIZE—No award.

SECTION X
LISTS OF STUDENTS
DIRECTORY AND INDEXES

LISTS OF STUDENTS

GRADUATE SCHOOL

RESEARCH FELLOWS

Eugene Maximilian Karl Geiling, PH.D.	<i>Vryburg, S. Africa</i>	282 Dwight st.
University of Illinois 1917	Physiological Chemistry	
Ettalene Mears Grice, B.A.	<i>New Haven, Conn.</i>	114 High st.
Western College for Women 1908,	Semitic Languages	
PH.D. Yale University 1917		

TOTAL, 2

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CANDIDATES FOR DEGREES

Walter Karl Abel, B.A.	<i>Meriden, Conn.</i>	Rome, Italy
Yale University 1916	Classics	
Charles Joseph Adamec, B.A.	<i>East Haven, Conn.</i>	East Haven
Yale University 1917	Classical Languages	
Norman Ilsley Adams, Jr., B.A.	<i>Lexington, Mass.</i>	407 Temple st.
Yale University 1917	Physics	
Henry Chauncey Anderson, PH.B.	<i>Stratford, Conn.</i>	84 Wall st.
Yale University 1920	Electrical Engineering	
William Edward Anderson, B.S.	<i>New Haven, Conn.</i>	80 Sherman ave.
Rhode Island State College 1914,	Chemistry	
M.A. University of Nebraska 1918		
Ethel Louise Anderton, B.A.	<i>Dover, N. H.</i>	
Wellesley College 1911	22 Chestnut st., West Haven, Conn.	
	Mathematics	
Marguerite Andrade, B.A.	<i>Besançon, France</i>	315 York st.
Ohio Wesleyan University 1920	English	
Ransel Eugene Andrew, B.A.	<i>Oklahoma City, Okla.</i>	
University of Oklahoma 1913, M.A. 1914	123 Huntington st.	
	General Bacteriology and Public Health	
Donald Hatch Andrews, B.A.	<i>Southington, Conn.</i>	1117 E.
Yale University 1920	Chemistry	
Eustaquio Genaro Aquino, B.A.	<i>Pamplona, Cagayan, P. I.</i>	124 Wall st.
University of the Philippines 1917	Social and Political Science	
John Clark Archer, B.A.	<i>New Haven, Conn.</i>	84 Linden st.
Hiram College 1915,	Semitics	
B.D. Yale University 1914, M.A. 1914		
José Demetrio Arévalo, B.A.	<i>Waukesha, Wis.</i>	89 Sherman ave.
Carroll College 1920	Romance Languages	
Ramiro Arratia, B.A.	<i>Santiago de Chile, Chile</i>	1196 T.
University of Santiago de Chile 1915	Education	
Moselle Quillian Ashford, B.A.	<i>Atbens, Ga.</i>	82 Trumbull st.
Florida State Woman's College 1919,	Philosophy	
M.A. Clark University 1920		

- Courtlandt Babcock, Jr., B.A. *New Haven, Conn.* 1201 T.
Yale University 1913 Romance Languages
- Alfred Howe Terry Bacon, B.A. *New Haven, Conn.* 1177 T.
Yale University 1914 Classical Languages
- Ralph Eastman Badger, B.A. *Lowell, Mass.* 3 B.M.H.
Dartmouth College 1913, M.C.S. 1914 Social and Political Science
- Margery Bailey, B.A. *Stanford University, Calif.*
Leland Stanford, Junior, University 1914, M.A. 1916 315 York st.
English
- Roland Herbert Bainton, B.A. *Chester, Conn.* 1108 E.
Whitman College 1914, Semitic Languages
B.D. Yale University 1917
- Arthur Alan Baker, Ph.B. *New Britain, Conn.* 8 Prospect pl.
Yale University 1919 Geology
- Francis Hyde Bangs, B.A. *Ogunquit, Maine* 242 York st.
Yale University 1915, English
M.A. Columbia University 1916
- Theodore Howard Banks, Jr., B.A. *New York City* 124 Wall st.
Yale University 1917, English
M.A. Harvard University 1920
- Edward Roy Barton, Ph.B. *Hamden, Conn.* P. O. Box 57, Hamden
Yale University 1920 Civil Engineering
- Lawrence Wade Bass, Ph.B. *Crowley, La.* 12 Prospect pl.
Yale University 1919 Chemistry
- Carlyle Smith Beals, B.A. *Lawrencetown, N. S., Canada*
Acadia College 1919 120 York st.
Physics
- Victor Emanuel Beck, B.A. *Ansonia, Conn.* Ansonia
Gustavus Adolphus College 1914, Germanic Languages
S.M. Augustana Theological Seminary 1918
- Douglas Stowe Beers, B.A. *Stratford, Conn.*
Yale University 1919 3226 Main st., Stratford
English
- Marion Bell, B.A. *Upper Montclair, N. J.* 114 High st.
Wellesley College 1919 Physiological Chemistry
- Alfred Raymond Bellinger, B.A. *New Haven, Conn.* 1285 Boulevard
Yale University 1917 Classical Languages
- Stephen Vincent Benét, B.A. *Wateroliet, N. Y.* Paris, France
Yale University 1919, M.A. 1920 English
- Benjamin Hezekiah Bissell, B.A. *Meriden, Conn.* 89 Whalley ave.
Wesleyan University 1918 English
- Malcolm Havens Bissell, Ph.B. *Bryn Mawr, Pa.* 125 High st.
Yale University 1911, M.A. 1918 Geology
- Michael James Blew, B.A. *Bloomington, Ind.* 5 Howe st.
Indiana University 1915, M.A. 1916 General Bacteriology and Public Health
- Mildred Parkhurst Booth, B.A. *West Haven, Conn.*
Vassar College 1920 R. F. D., Colonial Park, West Haven
Astronomy
- Raymond Nathaniel Bostock, B.S. *Bryn Athyn, Pa.* 124 Wall st.
Pennsylvania State College 1919 Chemistry
- Wilnot Hyde Bradley, Ph.B. *Westville, Conn.* 8 Prospect pl.
Yale University 1920 Geology

- Mary Victoria Braginton, B.A.
Grinnell College 1920
- Henry Ernest Brauer, B.S.
University of Illinois 1920
- Clifton Hartwell Brewer, B.A.
Harvard University 1902, M.A. 1903,
B.D. Episcopal Theological School (Cambridge) 1904
- Elmer Burrell Brown, B.A.
University of Texas 1918, M.A. 1920
- Esther Lucile Brown, B.A.
New Hampshire State College 1920
- Maud Anna Brown, B.A.
Mount Holyoke College 1914
- Percy Brown, B.A.
Virginia Military Institute 1919
- Justine Ames Browne, B.A.
Oberlin College 1911
- Lewis Browne, B.H.
Hebrew Union College 1918,
B.A. University of Cincinnati 1919
- Irwin Alfred Buell, B.S.
Union University 1917
- Robert Kyle Burns, B.A.
Bridgewater College 1916
- Donald Malcolm Campbell, B.A.
Yale University 1919
- Laura Tuttle Cannon, B.A.
Vassar College 1918
- Margaret Sprague Carhart, PH.B.
University of Michigan 1899, M.A. 1901
- John Franklin Carter, Jr., B.A.
Yale University 1920
- Arthur Ellicott Case, B.A.
Yale University 1914,
LL.B. Harvard University 1917
- Francis Huntington Case, B.S.
University of Michigan 1920
- May Caughey, B.A.
University of Michigan 1906
- Harold Sergius Cave, B.A.
University of Missouri 1917
- José Lopez Celeste, B.A.
University of the Philippines 1917
- Kirt Marcus Chapman, B.A.
Coe College 1920
- Harold William Cheel, PH.B.
Yale University 1918
- Harry Asher Cheplin, B.S.
Syracuse University 1917
- Erling Christopherson, PH.B.
Yale University 1920
- Manson, Iowa
Classics 315 York st.
- Red Bud, Ill.
Mining Engineering and Metallurgy 162 York st.
- Branford, Conn.
Education Branford
- Sunset, Texas
Chemistry 275 Dwight st.
- Newfields, N. H.
Social and Political Science 856 Howard ave.
- Brattleboro, Vt.
Zoology 130 Wall st.
- Lexington, Va.
Social and Political Science 250 Crown st.
- Waterbury, Conn.
English 114 High st.
- Waterbury, Conn.
Religion Waterbury
- Northampton, N. Y.
Education 52 Howe st.
- Bridgewater, Va.
Zoology O.Z.L.
- New York City
Fine Arts 318 York st.
- New Haven, Conn.
Organic Chemistry 108 Everit st.
- Pasadena, Calif.
English 125 High st.
- Williamstown, Mass.
History Paris, France
- Trenton, N. J.
English 124 Wall st.
- Ann Arbor, Mich.
Chemistry 124 Wall st.
- Ann Arbor, Mich.
General Bacteriology and Public Health 1285 Boulevard
- Moberly, Mo.
Geology 120 Pendleton st.
- Jaro, Iloilo, P. I.
Social and Political Science 124 Wall st.
- Cedar Rapids, Iowa
Social and Political Science 1194 T.
- Ridgewood, N. Y.
Mechanical Engineering 125 High st.
- New Haven, Conn.
General Bacteriology and Public Health 36 Mansfield st.
- Christiania, Norway
Botany O.B.L.

- Pinkhos Churgin *New Haven, Conn.* 36 Park st.
Rabbinical College of Woloshin (Russia) 1912 Semitic and Biblical Languages
- Ettore Ciampolini, M.D. *Rapalano, Siena, Italy* 389 Orange st.
Boston University 1906, General Bacteriology and Public Health
C.P.H. Harvard University 1919
- Annie Barbara Clark, B.Sc. *Halifax, Yorks, England* 114 High st.
Bedford College (Lond.) 1915, M.Sc. 1920 General Bacteriology and Public Health
- Julia Evelyn Clark, B.A. *Newark, N. J.* 315 York st.
Elmira College 1920 English
- Donald Simonds Clements, PH.B. *Pittsburg, Pa.* 8 Prospect pl.
Yale University 1919 Mining Engineering and Metallurgy
- Merrel Dare Clubb, B.A. *Pomona, Calif.* 339 Humphrey st.
Pomona College 1920 English
- James Arthur Code, Jr. *Washington, D. C.* 743 Orange st.
United States Military Academy 1917 Electrical Engineering
- Barnett Cohen, B.S. *Brooklyn, N. Y.* 125 High st.
College of the City of New York 1911, General Bacteriology and Public Health
M.S. Yale University 1918, C.P.H. 1918
- Elliot Ettelson Cohen, B.A. *Mobile, Ala.* 299 York st.
Yale University 1918 English
- Arthur Prudden Coleman, B.A. *Seymour, Conn.* 126 Wall st.
Wesleyan University 1920 Romance Languages
- Armand René Collett, B.A. *Morgantown, W. Va.* 126 Wall st.
West Virginia University 1918 Chemistry
- Carey Herbert Conley, B.A. *Middletown, Conn.*
University of Michigan 1902, 32 Wyllys st., Middletown
M.A. University of Chicago 1912 English
- Sidney Albert Cook, B.A. *New Haven, Conn.* 20 Brownell st.
Yale University 1915 Psychology
- Donald Cooksey, PH.B. *New Haven, Conn.* 331 Temple st.
Yale University 1915 Physics
- George Raymond Cowgill, B.A. *Los Angeles, Calif.* 70 Trumbull st.
Leland Stanford, Junior, University 1916 Physiological Chemistry
- Helen Hutchinson Cowing, B.A. *Cleveland, Ohio* 364 Orange st.
Western Reserve University 1892 Education
- Raymond Benjamin Culver, M.S. *McMinnoille, Ore.* 20 Livingston st.
McMinnoille College 1910, B.A. 1914, Education
B.A. Yale University 1916, B.D. 1920
- Earl Everett Cummins, B.A. *Scranton, Pa.* 432 Oak st.
Hiram College 1917, Social and Political Science
B.D. Yale University 1920
- Norma Estelle Cutts, B.A. *New Haven, Conn.* 74 West Rock ave.
Mount Holyoke College 1913 Education
- Alice Barbara Dale *Newbury, Berksbire, England*
Cambridge University 114 High st.
Education
- Carle Hamilton Dane, PH.B. *Bridgeport, Conn.* 124 Wall st.
Yale University 1920 Geology
- Edmund Sharington Davenport, PH.B. *Brooklyn, N. Y.* 12 Prospect pl.
Yale University 1919 Mining Engineering and Metallurgy
- Harry James Deuel, Jr., B.A. *White Bear Lake, Minn.*
Carleton College 1918 44 Dwight st.
Physiological Chemistry

- William Clyde DeVane, Jr., B.A. *Columbia, S. C.* 1149 E.
Yale University 1920 English
- Ole Nichuis deWeerd, B.A. *Arlington, Iowa* 1107 E.
University of Rochester 1918 Philosophy and Psychology
- Olive Elizabeth Doherty, B.A. *New Haven, Conn.* 321 Lexington ave.
Connecticut College for Women 1920 Romance Languages
- Rose Frances Doherty, B.A. *New Haven, Conn.* 321 Lexington ave.
Connecticut College for Women 1920 Germanic Languages
- Beverly Douglas, LITT.B. *Nashville, Tenn.* N.H.H.
Princeton University 1914, Experimental Medicine
M.D. Johns Hopkins University 1918
- Richard Plaisted Drew, PH.B. *Brooklyn, N. Y.* 124 Wall st.
Yale University 1920 Mechanical Engineering
- John Goldsborough Easton, B.S. *Mt. Vernon, N. Y.* 410 B.
Wesleyan University 1913 Chemistry
- Henry Charles Eckstein, B.A. *Peoria, Ill.* 124 Wall st.
University of Illinois 1915, M.S. 1918 Physiological Chemistry
- Hastings Eells, B.A. *Old Forge, N. Y.* 1163 T.
Clark University 1916, History
M.A. Princeton University 1918,
B.D. Princeton Seminary 1919
- Carl Gustaf Erickson, B.A. *Kenilworth, N. J.* 125 High st.
Gustavus Adolphus College 1904, Philosophy and Psychology
B.D. Augustana Theological Seminary 1908
- Harold Charles Esgar, B.S. *Cleveland, Ohio* 124 Wall st.
Case School of Applied Science 1920 Mechanical Engineering
- José Maria Espino, B.A. *Dueñas, Iloilo, P. I.* 124 Wall st.
University of the Philippines 1918 Social and Political Science
- Frank Metcalf Exner, B.A. *Northfield, Minn.* 51 Avon st.
Carleton College 1919 Physics
- Isidore Sydney Falk, PH.B. *Detroit, Mich.* 313 York st.
Yale University 1920 General Bacteriology and Public Health
- Samuel Feigin *Petrob-Tikvab, Palestine* 146 York st.
Hebrew Teachers' College (Jerusalem) Semitic and Biblical Languages
- Edwin John Fischer, PH.B. *New Haven, Conn.* 146 McKinley ave.
Yale University 1916 Chemistry
- James Hampton Fithian, B.A. *Bridgeton, N. J.* 124 Wall st.
Lafayette College 1920 Mathematics
- Agnes Johnson Folsom, B.A. *Nashua, N. H.* 132 Wall st.
Smith College 1913 English
- Mary Selina Foote, PH.B. *New Haven, Conn.* 22 Linden st.
University of Chicago 1920 Social and Political Science
- Donald DeLacy Foster, B.S. *West Torbrook, N. S., Canada* 120 York st.
Acadia University 1920 Physics
- John Stuart Foster, B.S. *New Haven, Conn.* 43 Hotchkiss st.
Acadia University 1911 Physics
- Malcolm Cecil Foster, B.S. *West Torbrook, N. S., Canada* 120 York st.
Acadia University 1914 Mathematics
- Jennie Victoria France, B.A. *New Haven, Conn.* 377 Lenox st.
Smith College 1918 Astronomy

- Roger Gerald Franklin, B.A.
Columbia University 1919,
PH.B. Yale University 1920
- Grace Pierpont Fuller, B.A.
Smith College 1903, M.A. 1915
- Grace Fullerton, B.A.
West Virginia University 1917
- Howard Risley Fullerton, B.S.
University of New Mexico 1917
- Zalia Zencks Gailey, B.S.
University of Chicago 1913,
M.S. University of Washington 1916
- John Archer Gee, B.A.
Yale University 1916
- Charles Shelby Gibbs, B.S.
Bates College 1916,
M.S. Yale University 1920
- Hazel Louise Gibbs, B.A.
Smith College 1917
- Francois Arch Gilfillan, B.S.
Oregon State College 1918, PH.C. 1920
- John Metcalf Gill, B.A.
Yale University 1920
- Charlotte Wentworth Gilman, B.A.
Radcliffe College 1920
- Augustin Victor Goldiere, B.A.
Dartmouth College 1920
- Willard Arthur Goodell, B.A.
Cornell College 1898, M.A. 1910
- Hirsh Leib Gordon
Jewish Theological Seminary (Volozin)
- Frank Thorpe Gorman, B.A.
Wesleyan University 1915
- Alice Gould, B.A.
Mount Holyoke College 1920
- Clifford Gold Grant, PH.B.
Yale University 1913
- Henry Hamilton Green, B.Sc.
University of Glasgow 1911, D.Sc. 1917
- Leonard Greenburg, C.E.
Columbia University 1915
- Walter Farrar Greene, B.A.
Amherst College 1914
- William Eben Greenleaf, B.A.
Middlebury College 1913,
M.A. Yale University 1917
- Charles Grimm, B.ès sc.
La Chaux-de-Fonds (Switzerland) 1912,
B.S. New York University 1918
- Erwin George Gross, B.S.
University of Wisconsin 1917, M.S. 1919
- New York City 664 W.R.
Chemistry
- New Haven, Conn. 366 Whalley ave.
Social and Political Science
- New Haven, Conn. 86 Elm st.
Mathematics
- New Haven, Conn. 86 Elm st.
Civil Engineering
- Seattle, Wash. 125 High st.
Physiological Chemistry
- New Haven, Conn. 80 Sherman ave.
English
- Rangeley, Maine 1146 E.
General Bacteriology and Public Health
- Easthampton, Mass. 276 Dwight st.
Chemistry
- Marsfield, Ore. 124 Wall st.
Chemistry
- Orange, N. Y. 242 York st.
English
- New Haven, Conn. 44 Wall st.
Zoology
- Metbuen, Mass. 1214 T.
Romance Languages
- Oklahoma City, Okla. 275 Dwight st.
Philosophy and Psychology
- Vilno, Lithuania 124 Wall st.
1911 Semitic and Biblical Languages
- New Haven, Conn. 62 West Rock ave.
Romance Languages
- Portland, Maine 315 York st.
General Bacteriology and Public Health
- New Haven, Conn. 22 Harrison st.
Mining Engineering and Metallurgy
- Pretoria, South Africa 129 Howe st.
Physiology and Physiological Chemistry
- New York City 313 York st.
General Bacteriology and Public Health
- Jaffrey, N. H. O.Z.L.
Zoology
- Fair Haven, Vt. O.Z.L.
Zoology
- New Haven, Conn.
15 Winnett st., Whitneyville
Romance Languages
- Merrimac, Wis. 126 Wall st.
Physiological Chemistry

- Sara Adelaide Gutchess, B.A.
University of Michigan 1909
- William James Hail, B.A.
Missouri Valley College 1899,
B.D. Yale University 1904, M.A. 1906
- Ernest James Hall, B.A.
Harvard University 1907
- Wesley Benjamin Hall, PH.B.
Yale University 1916
- Roswell Gray Ham, B.L.
University of California 1914
- Rolla Neil Harger, B.A.
Washburn College 1915,
M.A. Kansas University 1917
- Henry Armour Haugh, Jr., PH.B.
Yale University 1920
- Christina Hazen, B.A.
Cornell University 1920
- Henry Rudolf Henze, PH.B.
Yale University 1918
- Albert Frederick Hill, B.A.
Dartmouth College 1910,
M.A. Harvard University 1911
- Harold Sanford Hill, PH.B.
Yale University 1919
- Ira Vaughan Hiscock, B.A.
Wesleyan University 1914, M.A. 1916
- Sara Moulthrop Holbrook, PD.B.
Hartford School of Religious Pedagogy
- Dorothy Fitzgerald Holland, B.A.
Mount Holyoke College 1918,
C.P.H. Yale University 1920
- Harris Hazen Hopkins, B.S.
Kalamazoo College 1919, M.S. 1920
- William John Horn, PH.B.
Yale University 1915
- Margaret Hotchkiss, B.A.
Vassar College 1915
- Bruce Houston, B.S.
University of Texas 1919
- Marion Gannett Howe, B.A.
Mount Holyoke College 1913
- Edward Benedict Hunn, PH.B.
Yale University 1916
- Clarence John Hylander, B.A.
Yale University 1920
- Seijiro Inamoto, LL.B.
Doshisha University 1919
- Raymond Jenkins, B.A.
Cornell University 1917
- Bridgeport, Conn.
842 North ave., Bridgeport
English
New Haven, Conn. 1148 E.
History
- Medford 55, Mass. 116 v-s.
Romance Languages
- New Haven, Conn. 406 Shelton ave.
Electrical Engineering
- Alameda, Calif. 80 Sherman ave.
English
- Topeka, Kans.
42 Jones st., West Haven, Conn.
Chemistry
- Derby, Conn. 84 Wall st.
Electrical Engineering
- Ithaca, N. Y. 68 Lake pl.
English
New Haven, Conn. 1267 Forest st.
Chemistry
- New Haven, Conn. 250 O.B.L.
Botany
- Quincy, Mass. 12 Prospect pl.
Chemistry
- North Chesterville, Maine
202 Prospect st.
General Bacteriology and Public Health
- New Haven, Conn. 394 Edgewood ave.
1912 Education
New Haven, Conn. 220 Park st.
General Bacteriology and Public Health
- Kalamazoo, Mich. 156 Maple st.
Chemistry
- Union City, Conn. 170 Dwight st.
Chemistry
- Brooklyn, N. Y. 114 High st.
General Bacteriology and Public Health
- Welfare, Texas 124 Wall st.
Chemistry
- Orange, Mass. 125 High st.
Physiological Chemistry
- Arlington, Mass. 73 Whitney ave.
Chemistry
- Watertown, Conn. O.B.L.
Botany
- Kyoto, Japan 8 St. Ronan terrace
Social and Political Science
- New Paltz, N. Y. 1215 T.
English

- Charles Harvey Johnson, PH.B.
Yale University 1920
- Henry Stoddard Johnson, PH.B.
Yale University 1919
- DeWitt Talmage Keach, PH.B.
Yale University 1915,
M.S. Pennsylvania State College 1917
- Erwin Burr Kelsey, PH.B.
Yale University 1918
- Nellie Content Kimberly, B.A.
University of Nebraska 1912
- Elias Klein, B.S.
Valparaiso University 1911, B.C.E. 1912
- Walter Dwight Kline, B.S.
North-Western College 1918
- Archer Eben Knowlton, B.S.
Trinity College (Hartford) 1910, M.S. 1912
- Adelbert Dillon Knox, PH.B.
Yale University 1920
- Girard Theodore Kohman, B.S.
Kansas University 1920
- Cornelius Francis Krusé, B.D.
Yale University 1915, M.A. 1917
- Leonard Woods Labaree, B.A.
Williams College 1920
- Hilda Charlotta Campbell Laird, B.A.
Queen's University 1918
- William Joseph Lally, PH.B.
Yale University 1919
- Walter Barnes Lang, B.A.
University of Minnesota 1915, M.S. 1916
- Clarence Lorenzo Lattin, PH.B.
Yale University 1920
- Charles Samuel Leavenworth, B.A.
Wesleyan University 1896,
B.A. Yale University 1897, M.A. 1899
- John Nelson Lee, PH.B.
Yale University 1920
- Claude Lloyd, B.A.
Simmons College (Texas) 1917
- Edwin Meyer Loeb, PH.B.
Yale University 1916
- Florence Loomis, B.A.
Syracuse University 1905
- Marguerite Anne Lord, B.A.
Smith College 1914
- George McCutchen McBride, B.A.
Park College 1898
- Russell Richard McCarthy, PH.B.
Yale University 1919
- New Britain, Conn.* 819 M.Q.
Mining Engineering and Metallurgy
- New Haven, Conn.* 23 Trumbull st.
Chemistry
- Morris Cove, Conn.*
50 Parker pl., Morris Cove
Chemistry
- Bristol, Conn.* 64 Lake pl.
Chemistry
- Lincoln, Nebr.* 576 George st.
Education
- Valparaiso, Ind.* 1215 T.
Physics
- Culver, Ind.* 162 York st.
Chemistry
- New Haven, Conn.* 113 Atwater st.
Electrical Engineering
- Bridgeport, Conn.* 126 Wall st.
Electrical Engineering
- Dillon, Kans.* 156 Maple st.
Chemistry
- Webster Groves, Mo.* 125 High st.
Philosophy and Psychology
- Milford, Conn.* 27 Park Circle, Milford
History
- Halifax, N. S., Canada* 90 York sq.
Romance Languages
- Meriden, Conn.* 12 Prospect pl.
Mining Engineering and Metallurgy
- New Haven, Conn.* 9 N.H.
Geology
- Shelton, Conn.* 70 Trumbull st.
Electrical Engineering
- New Haven, Conn.* 71 Howe st.
History
- Honolulu, H. T.* 70 Trumbull st.
Civil Engineering
- Aston, Texas*
The Milford School, Milford, Conn.
English
- New York City* 813 Whitney ave.
Social and Political Science
- Los Angeles, Calif.* 169 Livingston st.
English
- Northampton, Mass.* 82 Trumbull st.
Chemistry
- Tonkers, N. Y.* 125 High st.
Geology
- New Haven, Conn.* 86 Edwards st.
Chemistry

- Arthur Brinkerhoff McKay, B.A. *Plainfield, N. J.* 209 York st.
Yale University 1920 English
- James Argyle McLauchlin, B.A. *Weatherford, Okla.* 279 Crown st.
Davidson College 1887, M.A. 1894 Education
- Regina Mailhouse, B.A. *New Haven, Conn.* 345 Willow st.
Normal College (New York) 1898, Philosophy and Psychology
M.A. New York University 1901
- Dumas Malone, B.A. *Cleveland, Tenn.* 128 High st.
Emory College 1910, History
B.D. Yale University 1916
- Frederick Johnson Manning, B.A. *New Haven, Conn.* 8 Edgewood ave.
Yale University 1916 History
- Helen Taft Manning, B.A. *New Haven, Conn.* 8 Edgewood ave.
Bryn Mawr College 1915, History
M.A. Yale University 1917
- William Harris Martin, B.A. *New Haven, Conn.* 523 Winthrop ave.
Bates College 1909, Education
M.A. Yale University 1920
- Howard Bagnall Meek, B.S. *Chelsea, Mass.* 124 Wall st.
Boston University 1917, Mathematics
M.A. University of Maine 1920
- John Ross Mendenhall *New Rochelle, N. Y.* 743 Orange st.
United States Military Academy 1915 Electrical Engineering
- Roy Merrill, PH.B. *New Haven, Conn.* 400 Elm st.
Lawrence College 1902 English
- Helen Swift Mitchell, B.A. *Westville, Conn.*
Mount Holyoke College 1917 Forest terrace, Westville
Physiological Chemistry
- Isabel Stewart Mitchell, B.A. *New Haven, Conn.* 89 Whalley ave.
Maryville College 1905 History
- James Archibald Mitchell, B.A. *Centreville, Md.* 219 York st.
Trinity College (Hartford) 1915 English
- Emily Lucile Moore, B.A. *Baltimore, Md.* 114 High st.
Goucher College 1918 Zoology
- John Moore, B.D. *New Haven, Conn.* 220 Howard ave.
Yale University 1918, M.A. 1920 Philosophy and Psychology
- Mary Atwell Moore, B.A. *Bellevue, Pa.* 114 High st.
Mount Holyoke College 1916 History
- Bertha Adele Morgan, B.A. *Orange, Mass.* 5 St. Ronan terrace
Boston University 1903 Latin
- Robert Alexander Johnston Morrison, PH.B. *Cincinnati, Ohio*
Yale University 1920 119 College st.
Civil Engineering
- Anna Justina Morse, B.A. *Bradford, Mass.* 82 Trumbull st.
Wellesley College 1919 English
- Nicholas Moseley, B.A. *New Haven, Conn.* 186 Edwards st.
Yale University 1919 Classical Languages
- Kenneth Franklin Mountcastle, B.A. *Lexington, N. C.* 768 M.Q.
University of North Carolina 1919 Social and Political Science
- Francis Morton Munson, M.D. *Washington, D. C.* 124 Wall st.
Medico-Chirurgical College 1899 General Bacteriology and Public Health

- Earl Edward Muntz, B.A.
Baldwin-Wallace College 1917
Cleveland, Ohio 131 Howe st.
Social and Political Science
- Leonard William Muntz, B.A.
Western Reserve University 1918,
B.S. Baldwin-Wallace College 1919
Cleveland, Ohio 29 Wall st.
Philosophy and Psychology
- Elizabeth Virginia Nagy, B.A.
Connecticut College for Women 1920
East Haven, Conn. 312 Temple st.
Philosophy and Psychology
- Edith Holloway Nason, B.A.
Vassar College 1917
Salem, Mass. 315 York st.
Chemistry
- Charles Henry Neil, B.A.
University of South Carolina 1903
New Haven, Conn. 30 Mansfield st.
English
- Precious Mabel Nelson, B.S.
University of California 1915, M.A. 1916
Georgetown, Calif. 114 High st.
Physiological Chemistry
- Edward Lewis Newmarker, B.S.
Connecticut Agricultural College 1917
Rockville, Conn. 1154 E.
Social and Political Science
- John Spangler Nicholas, B.S.
Pennsylvania College 1916, M.S. 1917
Washington, D. C. O.Z.L.
Zoology
- Stanislaus Novakovsky, M.E.C.S.
Kiev Commercial Institute 1916
New Haven, Conn. 266 Livingston st.
Geology
- Brian Prime O'Brien, Ph.D.
Yale University 1918
Chicago, Ill. 121 Wall st.
Physics
- George Hugh Roe O'Donnell, Jr., B.A.
University of Idaho 1912,
M.A. University of Washington 1916
New Haven, Conn. 516 Winthrop ave.
Germanic Languages
- Charles William O'Neill, Ph.D.
Yale University 1920
Derby, Conn. 63 Grove st.
Chemistry
- Cleon Scott Osbourn, B.A.
Washington and Lee University 1909,
B.A. Yale University 1915
Sbenandoab Junction, W. Va. 1216 T.
Education
- Charles Archibald Owen, B.A.
Monmouth College 1907,
M.A. Yale University 1912
Assiut, Egypt 1197 T.
Semitic and Biblical Languages
- Charles Patch, Jr., B.A.
Yale University 1920
Grosse Pointe, Mich. 184 F.
Social and Political Science
- Mary Waters Patten, B.A.
Goucher College 1915
Baltimore, Md. 114 High st.
Zoology
- Alson Currie Patton, Jr., B.A.
University of Tennessee 1920
Bells, Tenn. 399 B.
Mathematics
- John Devasahayam Savariroyan Paul, B.A.
University of Madras 1916
Palamcottab, India 1122 E.
Social and Political Science
- Leroy Elden Peabody, B.S.
Norwich University 1915,
M.A. Clark University 1916
Branford, Conn. 46 Hawthorne ave., Whitneyville, Conn.
Mathematics
- Charles Samuel Peete, B.A.
Yale University 1920
Bowling Green, Ky. 35 W. Park ave.
English
- Mimosa Hortense Pfaltz, B.S.
Columbia University 1919
New York City 114 High st.
Chemistry
- Arthur Pite, B.A.
Yale University 1920
New Haven, Conn. 128 DeWitt st.
History
- James Hall Pitman, B.A.
Rutgers College 1918
Newark, N. J. 82 Wall st.
English

- Fred Albert Pottle, B.A.
Colby College 1917
- Marenda Elliott Prentis, B.A.
Connecticut College for Women 1919
- Hugh Bruce Price, B.A.
University of Wisconsin 1914,
M.A. University of Minnesota 1916
- Newbell Niles Puckett, B.S.
Mississippi College 1918,
Ph.B. Yale University 1920
- Isadore Rabinowitz, Ph.B.
Yale University 1920
- Arch Frank Rakatzky, Ph.B.
Yale University 1920
- Harry Stafford Read, B.S.
University of North Dakota 1915, M.S. 1916
- Roland R. Read, B.S.
University of North Dakota 1917
- William Thornton Read, B.A.
Austin College 1905, M.A. 1908,
M.A. University of Texas 1915
- George Fultz Reddish, B.S.
Kentucky University 1919
- Lewis Stuart Reid, Ph.B.
Yale University 1919
- Carl Henry Reker, Ph.B.
Yale University 1920
- Donald Jay Renkert, Ph.B.
Yale University 1920
- Clarence White Rife, B.A.
University of Saskatchewan 1914,
M.A. University of Toronto 1918
- Margaret Helen Strang Rife, B.A.
University of Saskatchewan 1913
- Herbert Wade Rinehart, B.A.
Oberlin College 1919, M.A. 1920
- Michael Ringer, B.S.
College of the City of New York 1915,
M.D. Cornell University 1919
- Frank Warren Roberts, Ph.B.
Wesleyan University 1908
- Robert Chester Roberts, B.S.
Ottawa University 1912,
M.A. University of Kansas 1914
- Marian Robinson, B.A.
Wellesley College 1919
- Miriam Roe, B.A.
Ohio Wesleyan University 1920
- William Low Russell, B.A.
Yale University 1920
- Oxford, Maine 124 Wall st.
English
- New London, Conn. 576 George st.
Education
- New Haven, Conn. 382 Whitney ave.
Social and Political Science
- Columbus, Miss. 250 Crown st.
Social and Political Science
- New Haven, Conn. 598 Grand ave.
Chemistry
- Bridgeport, Conn.
41 Prescott st., Bridgeport
Civil Engineering
- Grand Forks, N. Dak. 19 Compton st.
Physics
- Grand Forks, N. Dak. 19 Compton st.
Chemistry
- New Haven, Conn. 187 Mansfield st.
History
- Lexington, Ky. 1223 T.
General Bacteriology and Public Health
- Newfoundland, N. J. 74 Wall st.
Chemistry
- East Cleveland, Ohio 352 Temple st.
Mechanical Engineering
- Canton, Ohio 96 Wall st.
Mechanical Engineering
- Foam Lake, Sask., Canada 106 York sq.
History
- Foam Lake, Sask., Canada 106 York sq.
Fine Arts
- Coshocton, Ohio 407 Temple st.
Chemistry
- New York City 313 York st.
Experimental Medicine
- New Haven, Conn. 3 University pl.
Romance Languages
- Franklin, Ind. 1339 Chapel st.
Chemistry
- New London, Conn. New London
English
- Omaha, Nebr. 65 Treadwell st., Whitneyville, Conn.
English
- New Haven, Conn. 430 Temple st.
Geology

- Everett Shovelton Sanderson, B.S. *Easthampton, Mass.* 19 Compton st.
 Massachusetts Agricultural College 1916 General Bacteriology and Public Health
- Francisco O. Santos, B.A. *Calumpit, Bulacan, P. I.* 124 Wall st.
 University of the Philippines 1914, M.S. 1919 Physiological Chemistry
- Henry Lyttleton Savage, B.A. *Philadelphia, Pa.* 126 Wall st.
 Princeton University 1915 English
- Florence Barbara Seibert, B.A. *Easton, Pa.* 114 High st.
 Goucher College 1918 Physiological Chemistry
- Manasseh Giragos Sevag, B.A. *Tarsus, Cilicia* 113 Ashmun st.
 St. Paul's College (Cilicia) 1920 Social and Political Science
- Goldie Dale Sheets, B.A. *Morgantown, W. Va.* 86 Elm st.
 West Virginia University 1911 Germanic Languages
- Stephen Huntting Sherrill *East Hampton, N. Y.* 280 Whalley ave.
 United States Military Academy 1917 Electrical Engineering
- Arthur Purefoy Sledd, B.S. *Wake Forest, N. C.* 124 Wall st.
 Wake Forest College 1916, M.A. 1918 Chemistry
- Elizabeth Louise Smeallie, B.S. *Yalesville, Conn.* 135 Huntington st.
 Middlebury College 1916 General Bacteriology and Public Health
- Edward Forbes Smiley, B.A. *New Haven, Conn.* 382 Whitney ave.
 Harvard University 1916, History
 M.A. Columbia University 1917
- Marion Norton Smiley, B.A. *New Haven, Conn.* 382 Whitney ave.
 Mount Holyoke College 1915 English
- Hilrie Shelton Smith, B.A. *Norfolk, Va.* 1183 T.
 Elon College 1917 Education
- Hugh Llewellyn Smith, B.S. *Middletown, Conn.*
 Wesleyan University 1915 15 Pearl st., Middletown
 Romance Languages
- Shirley Smith, B.A. *Orwell, Vt.* 114 High st.
 Oberlin College 1912, M.A. 1916 Classical Languages
- Sterling Bishop Smith, PH.B. *New Haven, Conn.* 278 Exchange st.
 Yale University 1920 Chemistry
- Woodruff Romig Smith, PH.B. *West Haven, Conn.*
 Yale University 1920 454 Washington ave., West Haven
 Mechanical Engineering
- Magnus Albert Soderman, B.A. *New Haven, Conn.* 238 Poplar st.
 Yale University 1918 Chemistry
- Irvin Henry Solt, B.A. *Northampton, Pa.* 120 York st.
 Yale University 1917 Physics
- Llewellyn Truman Spencer, B.A. *Mt. Vernon, N. Y.* HART
 Yale University 1920 Philosophy and Psychology
- John Shepard Stanton, Jr., B.A. *Brooklyn, N. Y.* 191 F.
 Yale University 1917 English
- Carl Leo Stearns, B.A. *Westbrook, Maine* W.O.
 Wesleyan University 1917 Astronomy
- William Matthew Steinecke, PH.B. *New Haven, Conn.* 101 Gregory st.
 Yale University 1920 Mining Engineering and Metallurgy
- Ralph Wetherbee Stetson, PH.B. *Meriden, Conn.*
 Yale University 1919 683 Broad st., Meriden
 Mechanical Engineering
- George Stewart, Jr., B.A. *Paonia, Colo.* DW.
 Yale University 1915, LL.B. 1917 Education

- Ina Veth Stone, B.A.
Mount Holyoke College 1917
- Leon Stansfield Stone, PH.B.
Lafayette College 1916
- Alan Lang Strout, B.A.
Dartmouth College 1918,
M.A. University of Chicago 1920
- Morris Sweetkind, PH.B.
Yale University 1920
- Francis Huntington Swett, B.A.
Bates College 1916,
M.A. Brown University 1917
- Mary Virginia Sydnor, B.A.
Richmond College 1913,
M.A. Columbia University 1916
- Roger John Templeton, PH.B.
Yale University 1920
- Julia Benner Thomas, B.A.
Smith College 1906
- William M'Culloch Thomson, B.A.
Queen's University 1888,
M.A. Princeton University 1890
- John Arrend Timm, PH.B.
Yale University 1919
- William Fyfe Turnbull, B.A.
Columbia University 1903
- Joseph Howard Tyrrell, B.S.
Villanova College 1920
- Floyd Thaddeus Tyson, B.S.
Pennsylvania State College 1920
- Hubert Bradford Vickery, B.SC.
Dalhousie University 1915, M.SC. 1918
- Harold Richard Victor, B.A.
Indiana University 1920
- Albert Charles Walker, B.S.
Massachusetts Institute of Technology 1918
- Helen Martin Walker, B.A.
University of Colorado 1914, M.A. 1915
- Donald Sanford Wallace, PH.B.
Yale University 1920
- Reginald deKoven Warner, B.A.
Boston University 1912, M.A. 1915
- Robert Keeler Warner, PH.B.
Yale University 1911
- Dorothy Elizabeth Went, B.A.
Mount Holyoke College 1918
- Rudolph Willard, B.A.
Yale University 1919
- Dexter, Maine*
17 Clinton ave., Woodmont, Conn.
Romance Languages
- New Haven, Conn.* 230 Church st.
Zoology
- Summit, N. J.* 124 Wall st.
English
- New Haven, Conn.* 124 Asylum st.
English
- Norway, Maine* O.Z.L.
Zoology
- Richmond, Va.* 114 High st.
History
- West Haven, Conn.*
133 Leete st., West Haven
Chemistry
- New Haven, Conn.* 18 Trumbull st.
Education
- Durham, N. S., Canada* 58 Lake pl.
Semitic and Biblical Languages
- New Haven, Conn.* 106 York sq.
Chemistry
- New Haven, Conn.* 1275 Chapel st.
Mechanical Engineering
- Waterbury, Conn.* 42 Mansfield st.
Mining Engineering and Metallurgy
- York, Pa.*
50 Parkér pl., Morris Cove, Conn.
Chemistry
- Yarmouth, N. S., Canada* 190 York st.
Chemistry
- Indianapolis, Ind.* 124 Wall st.
Social and Political Science
- Denver, Colo.* 102 Judson ave.
Chemistry
- New Haven, Conn.* 133 Mansfield st.
Education
- Pleasantville, N. Y.* 70 Trumbull st.
Civil Engineering
- New Haven, Conn.* 80 Sherman ave.
Romance Languages
- West Haven, Conn.*
24 George st., West Haven
Mining Engineering and Metallurgy
- Bridgeport, Conn.*
1083 Noble ave., Bridgeport
History
- Madison, Conn.* 123 Wall st.
English

Leon Thomas Wilson, P.H.B. Yale University 1915, B.E. 1919	Stroudsburg, Pa. 45 Edgewood ave. Physics
Gladys Isabel Wingate, B.A. Smith College 1918	Nashua, N. H. 130 Wall st. Romance Languages
Fred Willard Winters, B.A. Mt. Albion University 1920	Lunenburg, N. S., Canada 124 Wall st. Mathematics
Alexander Maclaren Witherspoon, B.A. Ogden College 1916, B.A. Yale University 1918	Bowling Green, Ky. 126 Wall st. English
Shimeta Yamada, B.A. Oberlin College 1920	Fukushima, Gumma, Japan 1139 E. Social and Political Science
	TOTAL, 294

II

CANDIDATES FOR DEGREES ALSO ENROLLED IN
OTHER SCHOOLS

Adam Alles, B.A. Colorado State Teachers' College 1917	Greeley, Colo. 583 Orange st. Religion
Robert Lowry Calhoun, B.A. Carleton College 1915, B.D. Yale University 1918, M.A. 1919	Northfield, Minn. 1216 T. Philosophy and Psychology
Francis Trowbridge Cooke, B.A. Amherst College 1920	Brooklyn, N. Y. 1128 E. Semitic and Biblical Languages
Mearl Peter Culver, B.A. Albion College 1917, S.T.B. Union Theological Seminary 1920, M.A. Columbia University 1920	New Haven, Conn. 60 Edwards st. Education
Wesley Clifton Davis, B.A. Emory College 1917, B.D. 1920	Bolingbroke, Ga. 1192 T. Religion
Jacob Philip de Pinto, B.D. Wesleyan College (Montreal) 1920	Colombo, Ceylon 1210 T. Religion
Peter Siebert Goertz, B.A. McPherson College 1914, B.D. Yale University 1917	Hillsboro, Kans. 1209 T. Religion
Hjalmar Wilhelm Johnson, B.A. Gustavus Adolphus College 1917	Superior, Wis. 1133 E. Religion
Gerald Ray Jordan, B.A. Trinity College (N. C.) 1917, B.D. Emory University 1920	Kinston, N. C. 1192 T. Religion
Clarence Ebenezer Victor Nathanielsz, B.H. Springfield College (Mass.) 1911	Colombo, Ceylon 65 Shepard st., Morris Cove, Conn. Social and Political Science
John Pounder, B.D. Yale University 1917	Lansford, Pa. 1124 E. History
Francis Wilson Price, B.A. Davidson College 1915	Nanking, China 1121 E. History
Carl Newton Rexroad, B.A. McPherson College 1918	Fowler, Kans. 1119 E. Psychology
Luther Winfield Stalnaker, B.A. Drake University 1920	Des Moines, Iowa 591 Campbell ave., West Haven, Conn. Religion
	TOTAL, 14

III

GRADUATES PURSUING RESIDENT STUDY NOT
LEADING TO A DEGREE

Marie Ernestine Arnold, B.A. Wellesley College 1919	New Haven, Conn. English	249 Park st.
Leah Ascham, B.A. Ohio Northern University 1904, B.S. Ohio State University 1918	Springfield, Ohio Physiological Chemistry	36 High st.
Edward William Backes, C.E. Pennsylvania Military College 1920	New Haven, Conn. Civil Engineering	139 Fountain st.
Archia Eleanor Barnum	New Haven, Conn. Romance Languages	237 East Rock road
Maria Wentworth Bates, B.S. Simmons College 1920	Bridgeport, Conn. 824 Lafayette st., Bridgeport General Bacteriology and Public Health	
Helen Fuller Boyd, B.A. Radcliffe College 1902, M.A. Columbia University 1917	Fairfield, Conn. Public Health	31 Plum st., Fairfield
Ella Williams Bray, B.S. Wellesley College 1890	Yarmouthport, Mass. History	315 York st.
Alice Caroline Bugbee, B.H. Smith College 1917	Willimantic, Conn. English	315 York st.
Isabelo Concepcion, M.D. College of Medicine and Surgery, University of the Philippines 1912	Manila, P. I. Physiological Chemistry	311 York st.
†Thomas Vernon Dickens	La Crosse, Wis. Electrical Engineering	119 College st.
Clifton Tisdale Edgerly, B.A. Dartmouth College 1910, M.A. 1912, Ph.D. Yale University 1918	New Haven, Conn. Romance Languages	820 Elm st.
Joseph Elwood Hare, B.S. Wilmington College 1920	San Antonio, Texas Geology	124 Wall st.
John Dawson Häuslein, B.A. Yale University 1916, M.A. 1920	New Haven, Conn. Social and Political Science	1171 T.
Edwin Humphrey Hazen, B.A. Dartmouth College 1908, M.A. Wesleyan 1912, M.A. Princeton University 1916	Middletown, Conn. Latin	Middletown
Frances Teresa Hendrick, B.A. Hunter College 1916	New Rochelle, N. Y. Romance Languages	10 Edgewood ave.
Jacques Georges Gilbert Heupgen	Mons, Belgium Geology	124 Wall st.
Raymond Thompson Hill, B.A. Yale University 1904, M.A. 1905, Ph.D. 1911	New Haven, Conn. Romance Languages	1187 T.
Frank Joseph Hubbell, Ph.B. Yale University 1920	Derby, Conn. Electrical Engineering	150 Grove st.
Josie Edna Johnson, B.A. Mount Holyoke College 1906	New Haven, Conn. Zoology	157 Maple st.
†Roderick Bissell Jones	Winsted, Conn. Physics	780 M.Q.

†These students have completed all the college work required for a Bachelor's degree, which is to be awarded them in the near future.

Yervant Hovhannes Krikorian, B.A.	New Haven, Conn.	35 Howe st.
Robert College 1912, B.D. Yale University 1917	Philosophy and Psychology	
Adeline Klein Loeb, B.A.	New Haven, Conn.	857 Whitney ave.
Wellesley College 1918	General Bacteriology and Public Health	
Marguerite David Loeb	New Haven, Conn.	813 Whitney ave.
	English	
Mary Clarissa McKee, B.A.	New London, Conn.	New London
Pennsylvania College for Women 1907,	M.A. 1908 Physiological Chemistry	
Burton Wallace Marsh, B.S.	Brookline, Mass.	169 Livingston st.
Worcester Polytechnic Institute 1920	Social and Political Science	
Ann Haven Morgan, B.A.	South Hadley, Mass.	114 High st.
Cornell University 1906, PH.D. 1912	Zoology	
†Palme Joel Peterson Oscarson	East Greenwich, R. I.	246 Nicoll st.
	Classics	
Julia Bayles Paton, B.A.	Hartford, Conn.	315 York st.
Smith College 1900, M.A. 1912, PH.D. Yale University 1920	Botany	
Francis Warren Powell, B.A.	Sberman, Texas	275 Dwight st.
Austin College 1920	English	
Jens Madsen Rysgaard, B.A.	St. Paul, Minn.	28 Whalley ave.
University of North Dakota 1903	Physics	
Harold Finch Seal, B.A.	Redlands, Calif.	172 L.
University of Redlands 1920	History	
Eunice Hope Spencer, B.S.	West Haven, Conn.	325 O.Z.L.
Simmons College 1919	Zoology	
Bertha Mary Terrill, B.A.	Burlington, Vt.	351 Winthrop ave.
Mount Holyoke College 1895, M.A. University of Chicago 1908	Social and Political Science	
Marie Thibaudeau, B.A.	Niagara Falls, N. Y.	128 Wall st.
Wellesley College 1918, M.A. Columbia University 1920	Fine Arts	
Herbert Thoms, M.D.	New Haven, Conn.	59 College st.
Yale University 1910	English	
Gilbert McCoy Troxell, B.A.	West Pittston, Pa.	242 York st.
Yale University 1916	Romance Languages	
George Lane VanDeusen	New York City	73 Whitney ave.
United States Military Academy 1909	Electrical Engineering	
Stephen Sargent Visher, B.S.	Bloomington, Ind.	I H.H.
University of Chicago 1909, M.S. 1910, PH.D. 1914	Geology	
	TOTAL, 38	

† See footnote on page 543.

SUMMARY

CANDIDATES FOR DEGREES ENROLLED ONLY IN GRADUATE SCHOOL	294
CANDIDATES FOR DEGREES ALSO ENROLLED IN OTHER SCHOOLS	14
STUDENTS NOT CANDIDATES FOR A DEGREE	38
TEACHERS ENROLLED IN COURSES IN EDUCATION, AND OTHER STUDENTS, NOT CANDIDATES FOR A DEGREE.	460
TOTAL	806

YALE COLLEGE

CLASS OF 1919

Norton Swasey Crocker	<i>Saratoga Springs, N. Y.</i>	797 M.Q.
TOTAL, 1		

CLASS OF 1920

Paul Holton Ballou	<i>Chester, Vt.</i>	192 F.
George Harry Barnes	<i>North Woodbury, Conn.</i>	195 F.
Alfred Bishop	<i>Bridgeport, Conn.</i>	754 M.Q.
Edward Holbrook Bradley	<i>New Haven, Conn.</i>	309 Edwards st.
Jeremiah Olney Brott	<i>Tbompson, Conn.</i>	188 F.
Harold Warburton Ellis	<i>North Attleboro, Mass.</i>	197 F.
Fred Thomas Flynn	<i>Hartford, Conn.</i>	333 York st.
Gibson Gardner	<i>Buffalo, N. Y.</i>	185 F.
Willard Avery Gray	<i>New London, Conn.</i>	195 F.
Joseph Albert Hirsch	<i>Newark, Ohio</i>	73 C.
Anson Phelps Stokes Hoyt	<i>New York City</i>	137 w.
Richard Mather Illsley	<i>Evanston, Ill.</i>	192 F.
Russell Phelps Kelley	<i>Chicago, Ill.</i>	707 M.Q.
William Sherman Kelly, Jr.	<i>Kingston, Pa.</i>	809 M.Q.
Frederick Macdonald Kingsbury	<i>Keene, N. H.</i>	186 F.
James Warren Lane, Jr.	<i>New York City</i>	187 F.
John Joseph Martin, Jr.	<i>Boston, Mass.</i>	189 F.
Francis Robert Masters, Jr.	<i>New York City</i>	188 F.
Albert Austin Meeks	<i>Meriden, Conn.</i>	738 M.Q.
William Page Miner	<i>Naugatuck, Conn.</i>	189 F.
Palme Joel Peterson Oscarson	<i>Brattleboro, Vt.</i>	246 Nicoll st.
Walter Anker Peterson	<i>Rosebank, Staten Island, N. Y.</i>	73 C.
Russell Bartow Read	<i>New York City</i>	185 F.
Harvey Swartley Reed	<i>Philadelphia, Pa.</i>	189 F.
David Gordon Saunders	<i>Emmettsburg, Iowa</i>	759 M.Q.
Stewart Augustus Searle	<i>Minneapolis, Minn.</i>	193 F.
Harold Vedder Sherman	<i>Lyons Farms, N. J.</i>	197 F.
Harry Whitman Slayton	<i>New Haven, Conn.</i>	184 F.
Ralph Perley Terrill	<i>Burlington, Vt.</i>	193 F.
Howard Waldron Waterman	<i>Albany, N. Y.</i>	195 F.
TOTAL, 30		

CLASS OF 1921

John Sidney Acosta	<i>Jacksonville, Fla.</i>	709 M.Q.
Arthur Cary Adams	<i>Norwich, Conn.</i>	713 M.Q.
Seibert Gruber Adams	<i>Albany, N. Y.</i>	812 M.Q.
Robert Hugh Alcorn	<i>New Haven, Conn.</i>	755 M.Q.
Harry Nathaniel Alderman	<i>New Haven, Conn.</i>	71 Sherman ave.
Emerson Thomas Anthony	<i>Peoria, Ill.</i>	785 M.Q.

Alexander Hayden Ardrey	New York City	794 M.Q.
Anthony Franklyn Arpaia	New Haven, Conn.	1578 State st.
Harry Washington Asher, Jr.	New Haven, Conn.	779 M.Q.
William Seiler Bailey	Harrisburg, Pa.	749 M.Q.
George Myron Barker	Bridgeport, Conn.	752 M.Q.
André Alden Beaumont, Jr.	Wilkes Barre, Pa.	784 M.Q.
Philip Edgar Benson	Haverhill, Mass.	768 M.Q.
William Burnett Benton	St. Louis, Mo.	702 M.Q.
Morton Mayer Berman	New Haven, Conn.	735 M.Q.
Linde Jacob Bernstein	New Haven, Conn.	81 Cottage st.
Edwin Binney, Jr.	Sound Beach, Conn.	810 M.Q.
Schuyler Lawrence Black	Syracuse, N. Y.	800 M.Q.
Thurston Pond Blodget	Bucksport, Maine	817 M.Q.
Harold Prentice Bloedel	Seattle, Wash.	798 M.Q.
Joseph Leverett Blum	New Haven, Conn.	273 Dixwell ave.
Robert Edward Blum	Bay Shore, L. I., N. Y.	703 M.Q.
Laurence Boocock	Keswick, Va.	804 M.Q.
Henry Hugh Bousman	Farmington, N. Mex.	775 M.Q.
George Dexter Bradford	Lenox, Mass.	700 M.Q.
Charles Harvey Bradley, Jr.	Dubuque, Iowa	758 M.Q.
Walter Rice Brewster	Brooklyn, N. Y.	801 M.Q.
Robert Brigham	Germantown, Pa.	725 M.Q.
Eliot Buffinton	Fall River, Mass.	750 M.Q.
Frederick McGeorge Bundy	Norfolk, Va.	813 M.Q.
John Stuart Burwell	Winsted, Conn.	733 M.Q.
Paul Palmer Bushnell	Minneapolis, Minn.	814 M.Q.
Reid Alexander Byron	Pittsburg, Pa.	717 M.Q.
Charles Brownell Carroll	Minneapolis, Minn.	824 M.Q.
Robert Carson, 3d	Pittsburg, Pa.	760 M.Q.
John Wreford Chapple	Billings, Mont.	753 M.Q.
Edmund Rowland Chase	Waterbury, Conn.	821 M.Q.
Horace Bushnell Cheney, Jr.	South Manchester, Conn.	806 M.Q.
Harold Swartz Cherry	Bowling Green, Ky.	1101 E.
Charles John Clark, Jr.	Germantown, Pa.	749 M.Q.
Hervey Parke Clark	Santa Barbara, Calif.	740 M.Q.
John Steeds Clark	Cleveland, Ohio	818 M.Q.
Robert Aloysius Clark	New Haven, Conn.	56 Mansfield st.
Thomas Hunt Clark	New York City	770 M.Q.
Albert George Clay	New Haven, Conn.	401 Humphrey st.
Alvin Frederick Cohen	Charleston, S. C.	783 M.Q.
Robert Congdon	Duluth, Minn.	701 M.Q.
William Cartwright Conklin	Amagansett, L. I., N. Y.	815 M.Q.
Karl Palmer Conrad	Scranton, Pa.	711 M.Q.
Edwin Folsom Converse	Stillwater, Minn.	737 M.Q.
Harlan Wooster Cooley	Chicago, Ill.	704 M.Q.
Linn Fenimore Cooper	Albany, N. Y.	801 M.Q.
Paul Fenimore Cooper	Albany, N. Y.	801 M.Q.
Philip Bishop Cowles	Wallingford, Conn.	816 M.Q.
William Sheffield Cowles, Jr.	Farmington, Conn.	750 M.Q.

Franklin Coxé	<i>Asbeville, N. C.</i>	704 M.Q.
Tench Charles Coxé, Jr.	<i>Asbeville, N. C.</i>	788 M.Q.
John Guernsey Curtis	<i>Higbland Park, Ill.</i>	747 M.Q.
James Sands Darling	<i>Hampton, Va.</i>	767 M.Q.
Richard Darrell Darrell	<i>New York City</i>	816 M.Q.
Oscar Fulton Davisson, Jr.	<i>Dayton, Ohio</i>	823 M.Q.
Eli Whitney Debevoise	<i>Summit, N. J.</i>	786 M.Q.
Sterling Randolph Decker	<i>Montgomery, Pa.</i>	796 M.Q.
Richardson Dilworth	<i>New York City</i>	758 M.Q.
Morton Judd Dunham	<i>Seymour, Conn.</i>	755 M.Q.
Howard Meredith Ehrman	<i>Terre Haute, Ind.</i>	762 M.Q.
James Swan Eldridge	<i>Coffeyville, Kans.</i>	734 M.Q.
Samuel Engelman	<i>Bridgeport, Conn.</i>	
	198 William st., Bridgeport	
William Francis Cochran Ewing	<i>Yonkers, N. Y.</i>	701 M.Q.
Lindsay Anton Faye	<i>Berkeley, Calif.</i>	754 M.Q.
Henry Whiting Ferris	<i>New Haven, Conn.</i>	790 M.Q.
William Cornell Fleming	<i>New York City</i>	757 M.Q.
Frank William Ford	<i>New Haven, Conn.</i>	714 M.Q.
Lawrence Foster	<i>Boston, Mass.</i>	715 M.Q.
Roger Sherman Foster	<i>St. Paul, Minn.</i>	807 M.Q.
John Herndon French, Jr.	<i>New York City</i>	706 M.Q.
William James Galvin, Jr.	<i>Hartford, Conn.</i>	333 York st.
Paul Gerhardt, Jr.	<i>Chicago, Ill.</i>	716 M.Q.
Francis Dudley Blair Goodell	<i>New York City</i>	759 M.Q.
Charles Mayo Goss	<i>Peoria, Ill.</i>	724 M.Q.
Perry Graicerstein	<i>Waterbury, Conn.</i>	764 M.Q.
Benjamin Curtis Grieb	<i>Scarsdale, N. Y.</i>	752 M.Q.
Alan Clarke Guild	<i>Windham, Conn.</i>	755 M.Q.
Howard Douglas Hadden	<i>Brooklyn, N. Y.</i>	751 M.Q.
Edwin Victor Hale, Jr.	<i>Cleveland, Ohio</i>	701 M.Q.
Lloyd Grosvenor Hall	<i>Norwich, Conn.</i>	773 M.Q.
Edmund Henry Hamann	<i>Mt. Vernon, N. Y.</i>	810 M.Q.
Samuel McClintock Hamill, Jr.	<i>Philadelphia, Pa.</i>	804 M.Q.
Noel Erskine Hanf	<i>Ossining, N. Y.</i>	766 M.Q.
Clinton LaRue Hare	<i>Indianapolis, Ind.</i>	809 M.Q.
Nicholas Harithas	<i>New Haven, Conn.</i>	728 M.Q.
Eric Leonard Hedstrom	<i>Buffalo, N. Y.</i>	748 M.Q.
Bartow Lewis Heminway	<i>Watertown, Conn.</i>	709 M.Q.
Ives Hendrick	<i>New York City</i>	766 M.Q.
John William Hickey	<i>New Haven, Conn.</i>	15 Walnut st.
James Gaff Hinkle	<i>Osterville, Mass.</i>	804 M.Q.
Royal Holden	<i>Kansas City, Mo.</i>	756 M.Q.
Homer Ewell Hope	<i>Gainesville, Ga.</i>	221 Wooster st.
Howard Hopkins	<i>New Haven, Conn.</i>	805 M.Q.
Stephen Young Hord	<i>Terre Haute, Ind.</i>	758 M.Q.
Max Horn	<i>New Haven, Conn.</i>	180 Putnam st.
Isaac Horton, 3d	<i>Warren, Pa.</i>	765 M.Q.
Sidney Barnes Hosmer	<i>Boston, Mass.</i>	760 M.Q.

Richard Withington Howe	<i>Cobasset, Mass.</i>	806 m.q.
Arthur Melancthon Hurd	<i>New York City</i>	774 m.q.
Thomas Edwin Hurley	<i>Des Moines, Iowa</i>	811 m.q.
Robert Maynard Hutchins	<i>Berea, Ky.</i>	823 m.q.
Louis Harold Ickler, Jr.	<i>St. Paul, Minn.</i>	824 m.q.
Marcien Jenckes	<i>Worcester, Mass.</i>	704 m.q.
Donald Cogswell Johnson	<i>Putnam, Conn.</i>	819 m.q.
Tom Keck	<i>Coronado Beach, Calif.</i>	761 m.q.
Joseph Sumner Keeney	<i>Rockville, Conn.</i>	814 m.q.
John Joseph Kelly	<i>Grand Forks, N. Dak.</i>	773 m.q.
Stephen Roe Kiehel	<i>Wilmington, Del.</i>	731 m.q.
Austin Carroll King	<i>Huntington, W. Va.</i>	803 m.q.
Edward MacDonald King	<i>Plainfield, N. J.</i>	751 m.q.
Darwin Pearl Kingsley, Jr.	<i>New York City</i>	723 m.q.
John West Kirkham	<i>New Britain, Conn.</i>	805 m.q.
Walter James Knabe	<i>Montgomery, Ala.</i>	719 m.q.
Harry Erwin Konick	<i>New Haven, Conn.</i>	277 Dixwell ave.
Richmond Wilcox Landon	<i>Salisbury, Conn.</i>	718 m.q.
Otto Theodore Langbein, Jr.	<i>Chicago, Ill.</i>	762 m.q.
George Henry Lazarus	<i>Bowling Green, Ky.</i>	770 m.q.
Richard Malcom Strong Leach	<i>Waterbury, Conn.</i>	814 m.q.
Sylvester James Leary	<i>Greenwich, Conn.</i>	772 m.q.
Abraham Levin	<i>Norwich, Conn.</i>	712 m.q.
George Levin	<i>New Haven, Conn.</i>	133 Lamberton st.
Edward Phillips Levine	<i>New Haven, Conn.</i>	107 Ivy st.
Robert James Lewis	<i>Bains, La.</i>	724 m.q.
Stuart Lapsley Lindamood	<i>Columbus, Miss.</i>	250 Crown st.
Willard David Litt	<i>New York City</i>	710 m.q.
William Joseph Logan	<i>New Haven, Conn.</i>	483 East st.
Francis Dring Wetherill Lukens	<i>Ardmore, Pa.</i>	815 m.q.
Storer Boardman Lunt	<i>Portland, Maine</i>	748 m.q.
George Kehoe McCabe	<i>Chicago, Ill.</i>	708 m.q.
George Aloysius McCarthy	<i>New Haven, Conn.</i>	30 Lines st.
Evan Sidebottom McCord, Jr.	<i>Seattle, Wash.</i>	798 m.q.
Warren Sturgis McCulloch	<i>Orange, N. J.</i>	771 m.q.
Daniel Webster MacDonald, Jr.	<i>Uniontown, Pa.</i>	753 m.q.
Frank McDonnell	<i>New Haven, Conn.</i>	818 m.q.
John Percival Macnie	<i>Minneapolis, Minn.</i>	822 m.q.
Edward Arnold Mag	<i>New Britain, Conn.</i>	779 m.q.
Henry Julian Mali	<i>New York City</i>	723 m.q.
Patrick Mallon	<i>Cincinnati, Ohio</i>	703 m.q.
Raphael Bryant Malsin	<i>Mt. Vernon, N. Y.</i>	712 m.q.
Joseph Markle	<i>New Haven, Conn.</i>	256 Portsea st.
Rolph Thayer Marsh	<i>East Orange, N. J.</i>	817 m.q.
Philip Erskine Miles	<i>Racine, Wis.</i>	787 m.q.
Kenneth Osborne Miller	<i>New Haven, Conn.</i>	741 m.q.
Edwin Mims, Jr.	<i>Nashville, Tenn.</i>	770 m.q.
William Clarence Moffatt, Jr.	<i>Utica, N. Y.</i>	808 m.q.
William Bernard Moore	<i>Waterbury, Conn.</i>	803 m.q.

Milton Nachamofsky	Hartford, Conn.	736 M.Q.
Benjamin Christie Nangle	Rockville, Conn.	708 M.Q.
James Eugene Neville	Omaha, Nebr.	710 M.Q.
Joseph Allen Newton	Chicago, Ill.	788 M.Q.
William Kenneth Noble, Jr.	Fort Wayne, Ind.	768 M.Q.
Francis James Norton	Fort Plain, N. Y.	70 C.
Skeffington Sanxay Norton, Jr.	New York City	769 M.Q.
John Philip O'Brien	Holyoke, Mass.	786 M.Q.
Thomas Joseph O'Brien	New Haven, Conn.	732 M.Q.
Thomas Ward O'Connell	East Hartford, Conn.	753 M.Q.
Seymour Page	New Haven, Conn.	729 M.Q.
Roger Hall Paine	New Bedford, Mass.	763 M.Q.
Charles Langdon Parsons	Milton, Mass.	704 M.Q.
Robert Hallam Paul, Jr.	Watertown, Fla.	759 M.Q.
Charles Shipman Payson	Portland, Maine	748 M.Q.
Howard Hale Plumley	Glenbrook, Conn.	767 M.Q.
Joseph Crawford Polley	New Haven, Conn.	280 W. Ivy st.
John Clancey Powers	New Haven, Conn.	25 Whittlesey ave.
Thomas Raymond Preston	New Haven, Conn.	996 Townsend ave.
William McCreery Ramsey	Cincinnati, Ohio	776 M.Q.
Joseph Edward Richter	Chicago, Ill.	802 M.Q.
Roy George Rindcliffe	Sandusky, Ohio	789 M.Q.
Bernard Robbins, 2d	New Haven, Conn.	778 M.Q.
Charles Coles Robertson	Brooklyn, N. Y.	806 M.Q.
John Taber Robertson, Jr.	Fall River, Mass.	761 M.Q.
Thomas James Robertson	Columbia, S. C.	752 M.Q.
Edward Robinson	New York City	787 M.Q.
Daniel Rochford	Minneapolis, Minn.	781 M.Q.
Godfrey Stillman Rockefeller	Greenwich, Conn.	760 M.Q.
Hartley Frederick Rogers	Buffalo, N. Y.	794 M.Q.
Charles Pierson Roraback	Torrington, Conn.	792 M.Q.
James Frederic Rosen	New Haven, Conn.	843 Howard ave.
Ernest Emil Rutkowsky	New Haven, Conn.	744 M.Q.
Charles Gorham Sawyer	Dover, N. H.	763 M.Q.
Walter Becker Schleiter	Pittsburgh, Pa.	793 M.Q.
Sidney Scott	Delaware City, Del.	707 M.Q.
Richard Sears	Framingham, Mass.	810 M.Q.
Howard Clark Selleck	Salisbury, Conn.	718 M.Q.
Alden Shepard	Cleveland, Ohio	793 M.Q.
Edwin Leonard Shevlin	Portland, Ore.	707 M.Q.
Eli Yale Shorr	New Haven, Conn.	787 Grand ave.
Edward William Siemens	Quincy, Ill.	711 M.Q.
James Arnold Sloan	Richmond, Va.	757 M.Q.
Dan Clarence Andrew Smith	Redlands, Calif.	726 M.Q.
Harold Stark	Cincinnati, Ohio	776 M.Q.
William Arthur Steele	Clarkston, Wash.	775 M.Q.
Robert TenBroeck Stevens	Plainfield, N. J.	751 M.Q.
John Stewart	Baltimore, Md.	706 M.Q.
Langdon Kingsley Storm	New York City	702 M.Q.

Philip Stringer	St. Paul, Minn.	807 m.q.
Louis John Sullivan	Fall River, Mass.	765 m.q.
Harry Susman	Woodmont, Conn.	764 m.q.
Philip Susman	New Haven, Conn.	438 Oak st.
William VanLoan Taggart	Newburgh, N. Y.	813 m.q.
Horace Scott Thomas	Rochester, N. Y.	700 m.q.
Winston Bright Thomas	Nashville, Tenn.	799 m.q.
Bryson Frederick Thompson	New Haven, Conn.	726 m.q.
Curtiss Keith Thompson	West Haven, Conn.	726 m.q.
Lorin Potter Thurston	Honolulu, H. I.	754 m.q.
Daniel Tyler, Jr.	Brookline, Mass.	809 m.q.
Abraham Stodel Ullman	New Haven, Conn.	284 Willow st.
Edward Hook VanIngen, 2d	New York City	715 m.q.
Alexander Seymour VanSantvoord	Bennington, Vt.	769 m.q.
Ronald Kamehameha vonHolt	Honolulu, H. I.	811 m.q.
Thomas Reed Vreeland	New York City	761 m.q.
Dudley Pomp Walker	Bethlehem, Pa.	822 m.q.
John Joseph Wall	Derby, Conn.	727 m.q.
Kenneth Ward	Brooklyn, N. Y.	813 m.q.
B. Frank Watson	Lincoln, Nebr.	756 m.q.
Walter Wood Wicks	Scotland, S. Dak.	808 m.q.
Lester Pittman Widmeyer	Hancock, Md.	125 w.
Theodore Charles Wiemer	Bridgeport, Conn.	46 Chapel st., Bridgeport
John Harker Wiley	Stamford, Conn.	784 m.q.
Edward Whittemore Willcox	Oak Park, Ill.	711 m.q.
George Powell Williams	Edwardsville, Pa.	815 m.q.
Henry Lane Williams, Jr.	Minneapolis, Minn.	725 m.q.
Edwin Wheeler Winter, 2d	Chicago, Ill.	750 m.q.
Edmund Palmer Wood	Cincinnati, Ohio	821 m.q.
Carlton Preston Woodward	Bridgeport, Conn.	777 m.q.
Louis Leach Woodward	Albany, N. Y.	812 m.q.
Eric Amasa Woolson	Springfield, Vt.	747 m.q.
James Warthen Workman	Arkadelphia, Ark.	713 m.q.
Robert McEldowney Wright	Pittsburgh, Pa.	717 m.q.
Frederic George Yeandle	New Hartford, N. Y.	70 c.

TOTAL, 236

CLASS OF 1922

Morris Woods Abbott	Schuyler, Nebr.	3 v.
Maxwell Albert Alderman	New Haven, Conn.	847 Howard ave.
Malcolm Pratt Aldrich	Fall River, Mass.	99 w.
Wendell William Anderson	Detroit, Mich.	669 w.
Theodore Learnard Badger	Newton Center, Mass.	19 v.
Paul Virgil Bailey	Buffalo, N. Y.	57 v.
Ganson Jayne Baldwin	Brooklyn, N. Y.	6 v.
Abraham Leonard Balter	Braddock, Pa.	5 Bradley st.
John Palmer Bankson, Jr.	Ardmore, Pa.	80 c.

Timothy Francis Bannon	Winsted, Conn.	112 w.
Asa Crosby Barnes	Atlanta, Ill.	136 w.
Harry Bertram Batchelder	Springfield, Mass.	133 w.
Jeremiah Robinson Beard, Jr.	New York City	672 wr.
James Bell Benedict	Glendale, Ohio	106 w.
William Wallace Benjamin	New York City	677 wr.
Joseph Dexter Bennett, 2d	Cody, Wyo.	89 c.
William Richardson Biggs	New York City	54 v.
Arthur Walker Bingham, Jr.	New York City	5 v.
John Lyman Blish	Seymour, Ind.	8 v.
Israel Blodinger	New Haven, Conn.	225 Putnam st.
Maurice Edward Blumen	Waterbury, Conn.	72 c.
Ralph Goodrich Boalt	St. Paul, Minn.	63 v.
John Chaloner Borden	New York City	46 v.
Clymer Sprague Bowen	Brooklyn, N. Y.	670 wr.
John Hendee Bradin	Hartford, Conn.	107 w.
William Murray Bradner	Summit, N. Y.	141 w.
Edward James Brennan	New Haven, Conn.	110 w.
George Emerson Brewer, Jr.	New York City	89 c.
Carl Ernest Bricken	Danville, Va.	45 v.
John Burrell Bridgman	Lake Forest, Ill.	101 w.
Washington Clark Brockman	New York City	59 v.
Edgar Ray Broenniman	New York City	31 v.
Francis Woolsey Bronson	Titusville, Pa.	52 v.
Robert Alexander Brown, Jr.	St. Joseph, Mo.	106 w.
Charles-Clark Buckland	New Haven, Conn.	80 c.
Azariah Tripp Buffinton	Fall River, Mass.	99 w.
James Smith Bush	Columbus, Ohio	68 v.
Henry Thompson Bushnell	New York City	5 v.
Patrick Timothy Butler	Pengilly, Minn.	78 c.
John Cloudsbury Cairns	Waterbury, Conn.	12 v.
John Clark Calhoun	Cornwall, Conn.	666 wr.
James White Campbell	Honolulu, H. T.	81 c.
Joseph Lincoln Carman, Jr.	Tacoma, Wash.	80 c.
Dudley Vernon Cassard	Grand Rapids, Mich.	116 w.
Walter Ferguson Chambers	New York City	37 v.
Charles Oval Chandler	Kittyton, Tenn.	198 f.
Ward Cheney	South Manchester, Conn.	65 v.
Samuel Ford Chidsey	East Haven, Conn.	83 c.
Prescott Childs	Holyoke, Mass.	88 c.
Edward Augustus Chittenden, Jr.	East River, Conn.	75 c.
Thomas Caldecot Chubb	New York City	36 v.
Edward Came Clark	Somerville, Mass.	40 v.
Massena Clark	New Haven, Conn.	3 v.
Charles Lemaieur Clarke	New Haven, Conn.	124 w.
Dana Cobb Clarke	Springfield, Vt.	739 m.q.
John Eastman Coates, Jr.	Little Rock, Ark.	7 v.
Humbert Francis Cofrancesco	New Haven, Conn.	21 Baldwin st.
Joseph William Cohen	Hartford, Conn.	115 w.

Gilbert Colgate, Jr.	<i>New York City</i>	49 v.
John Merrill Congdon	<i>New York City</i>	57 v.
James Ralph Connell	<i>Omaha, Nebr.</i>	56 v.
Francis Howell Cook	<i>Sag Harbor, L. I., N. Y.</i>	50 v.
Raymond Kinney Cooper	<i>Cincinnati, Ohio</i>	43 v.
William Rice Cooper	<i>East Haven, Conn.</i>	1174 t.
Edwin Bradford Cragin	<i>New York City</i>	59 v.
Paul Howard Crane	<i>Montclair, N. J.</i>	60 v.
Albert Hastings Crosby	<i>Minneapolis, Minn.</i>	674 wr.
Walton Ferguson Dater	<i>Stamford, Conn.</i>	32 v.
Frank Benjamin Davidson	<i>Sioux City, Iowa</i>	95 w.
Gardiner Mumford Day	<i>Summit, N. J.</i>	675 wr.
James Molton DeCamp	<i>Cincinnati, Ohio</i>	62 v.
Charles Francis Deegan	<i>New Haven, Conn.</i>	64 Sheffield ave.
Charles Maurice DeLand, Jr.	<i>Garden, City, L. I., N. Y.</i>	123 w.
Ralph Stuart Dial	<i>Cleveland, Ohio</i>	25 v.
Edison Dick	<i>Chicago, Ill.</i>	62 v.
Edmond Selby Dillon	<i>Portsmouth, Ohio</i>	53 v.
George Dimenstein	<i>New Haven, Conn.</i>	37 Ward st.
Levon Peter Donchian	<i>New York City</i>	12 v.
Richard Robert Donnelley	<i>Chicago, Ill.</i>	132 w.
Mortimer Leggett Doolittle	<i>New Haven, Conn.</i>	82 c.
Montgomery Dorsey	<i>Denver, Colo.</i>	4 v.
Jason Russell Draper	<i>Plymouth, N. H.</i>	117 w.
Wallis Bleecker Dunckel	<i>New York City</i>	35 v.
David Garland Dutton	<i>Springfield, Mass.</i>	666 wr.
Herbert Linus Emanuelson	<i>New Haven, Conn.</i>	668 wr.
Francis Mering Evans	<i>Terryville, Conn.</i>	23 v.
Louis Evans	<i>New Haven, Conn.</i>	133 Greenwood st.
Montgomery Evans, 2d	<i>Norristown, Pa.</i>	671 wr.
James Athearn Folger, Jr.	<i>San Francisco, Calif.</i>	79 c.
Edwin Victor Forve	<i>Los Angeles, Calif.</i>	28 v.
Reginald Foster, Jr.	<i>Boston, Mass.</i>	66 v.
Richard Fowles Francis	<i>Greensburg, Pa.</i>	26 v.
Lewis Herbert Freedman, Jr.	<i>Sound Beach, Conn.</i>	37 v.
Albert Carl Frost, Jr.	<i>New York City</i>	4 v.
Walter Lewis Funnell	<i>Stamford, Conn.</i>	13 v.
Richard Pillsbury Gale	<i>Minneapolis, Minn.</i>	20 v.
Laurence Terrell Gardner	<i>Meriden, Conn.</i>	49 v.
Truman Perry Gardner	<i>St. Paul, Minn.</i>	127 w.
Howard Vincent Gartland	<i>New Haven, Conn.</i>	819 State st.
David Brewer Gauss	<i>Marsball, Mich.</i>	99 w.
Langhorne Gibson	<i>New York City</i>	66 v.
John Archer Gifford	<i>Chelsea, N. J.</i>	74 c.
George Edward Gilchrist, 2d	<i>Berkeley, Calif.</i>	136 w.
James Mann Gogglin, Jr.	<i>El Paso, Texas</i>	107 w.
Meyer Gordon	<i>Lorain, Ohio</i>	93 c.
Carl Manfred Gottfried	<i>Chicago, Ill.</i>	35 v.
Harry French Graham	<i>Philadelphia, Pa.</i>	63 v.

Max Griboff	New Haven, Conn.	252 Wallace st.
William Gill Gridley	New York City	71 c.
John Bolter Griggs	Hartford, Conn.	55 v.
Frederick Parrish Grimley	New Haven, Conn.	500 Howard ave.
Clement Acton Griscom, 3d	New York City	61 v.
Lee Marvin Griswold	Erie, Pa.	29 v.
Alexander Gordon Grove	Columbia, Pa.	96 w.
James Allen Grover	St. Louis, Mo.	674 wr.
Nathaniel Taylor Guernsey, Jr.	Greenwich, Conn.	77 c.
Lawrence Ridge Guild	Lakewood, Ohio	183 l.
Howard Frederick Guthery	Marion, Ohio	676 wr.
Walter Newman Haldeman	Louisville, Ky.	39 v.
Earl Douglas Hale	Louisville, Ky.	141 w.
William Edward Hall	Meriden, Conn.	11 v.
John Howard Hanway	Pelham Manor, N. Y.	36 v.
Harry Albert Haring, Jr.	Massillon, Ohio	1 v.
William Hale Harkness	New York City	22 v.
Donald Brewer Harris	Minneapolis, Minn.	109 w.
Gilbert McCord Harris	New York City	54 v.
Laurence Simons Harris	Bradford, Pa.	19 v.
Frederick Charles Hart	Webersfield, Conn.	87 c.
Oliver Snow Hawes, Jr.	Fall River, Mass.	98 w.
Philip Tripp Hawes	Fall River, Mass.	98 w.
Walter Sylvester Haynes	New York City	32 v.
John George Hazam	Norwich, Conn.	181 l.
Frederick Vanuxem Hebard	Chestnut Hill, Pa.	37 v.
Totton Peavey Heffelfinger	Minneapolis, Minn.	811 m.q.
Francis Krick Hettinger	Kansas City, Mo.	127 w.
Bryan Edward Higgins	Winsted, Conn.	21 v.
Frederick Whiley Hilles	New York City	677 wr.
Hale Holden, Jr.	Chicago, Ill.	670 wr.
William Wilson Holden	Brooklyn, N. Y.	672 wr.
Richard August Horchner	East River, Conn.	107 w.
Fraser Macpherson Horn	Vandergift, Pa.	4 v.
Sherman Reese Hoyt	New York City	137 w.
Winthrop Clayton Hoyt	Garden City, L. I., N. Y.	14 v.
Elijah Kent Hubbard, 2d	Middletown, Conn.	13 v.
Cyril Hume	New Milford, Conn.	78 c.
Herbert Humphrey, Jr.	Marblehead, Mass.	102 w.
Samuel Hand Hun	Albany, N. Y.	291 York st.
Nelson Waldorf Hyde	Brockton, Mass.	34 v.
Henry Chapin Jackson	Darien, Conn.	671 wr.
Samuel Stratton Jennings, Jr.	Southport, Conn.	24 v.
Allen Sheppard Johnson	New Haven, Conn.	15 v.
Joseph Porch Jones	Youngstown, Ohio	169 l.
Wardwell Jones	Montclair, N. J.	668 wr.
Arthur Sharrard Kane	Larchmont, N. Y.	132 w.
Luke Edward Keeley	Waterbury, Conn.	17 v.
Charles Roy Keller	Lakewood, Ohio	96 w.

Francis Joseph Kelliher, Jr.	<i>Albany, N. Y.</i>	112 w.
Neal Dawson Kelly	<i>Montgomery, Ala.</i>	720 m.Q.
Theodore Germain Kenefick	<i>Buffalo, N. Y.</i>	64 v.
James Michael Kernan	<i>Rome, N. Y.</i>	100½ High st.
Richard Arthur Kimball	<i>Oberlin, Ohio</i>	32 v.
Jeffrey Wisner Kingsbury	<i>Scranton, Pa.</i>	74 c.
Thomas Wylie Kinney	<i>New Haven, Conn.</i>	76 c.
John McCauley Kiskadden	<i>Tiffin, Ohio</i>	701 m.Q.
Harry Klebanoff	<i>New Haven, Conn.</i>	87 Gilbert ave.
Yale Kneeland, Jr.	<i>New York City</i>	71 c.
Raphael Prince Koenig	<i>New York City</i>	16 v.
Nathaniel Tyler Lane, Jr.	<i>St. Louis, Mo.</i>	47 v.
Robert Johnson Larner	<i>Washington, D. C.</i>	60 v.
Warren Leslie, Jr.	<i>New York City</i>	69 v.
Carl Herman Liebman	<i>Brooklyn, N. Y.</i>	118 w.
Morss d'Isay Lippincott	<i>Cincinnati, Ohio</i>	10 v.
John Rice Livermore	<i>Denver, Colo.</i>	21 v.
William Galey Lord	<i>Tarrytown, N. Y.</i>	69 v.
Richard Tasker Lowndes, 3d	<i>New Haven, Conn.</i>	71 College st.
Thomas Egery Lunt	<i>Rochester, N. Y.</i>	104 w.
Scovel McGaw Lyon	<i>Yonkers, N. Y.</i>	128 w.
William Sutherland McCay	<i>Grand Rapids, Mich.</i>	81 c.
Lindsley McChesney	<i>Troy, N. Y.</i>	108 w.
Lowell MacDonald	<i>Bar Harbor, Maine</i>	139 w.
Arthur William McGrath	<i>Amsterdam, N. Y.</i>	59 v.
Adams Conover McHenry	<i>Dayton, Ohio</i>	5 v.
Frederick William McKee	<i>Saranac Lake, N. Y.</i>	92 c.
George Frost McLaughlin	<i>Chicago, Ill.</i>	140 w.
Angus Donald MacLean	<i>Louisville, Ky.</i>	721 m.Q.
Cargill MacMillan	<i>Minneapolis, Minn.</i>	45 v.
Orrin William Main	<i>Shanghai, China</i>	128 w.
John Sawyer Marsh	<i>East Northfield, Mass.</i>	60 Beach st.
Briton Martin	<i>Winnetka, Ill.</i>	64 v.
Donald Marvin	<i>Carbondale, Pa.</i>	101 w.
Edwin Waldo Marvin	<i>Hartford, Conn.</i>	77 c.
Walter Rumsey Marvin, Jr.	<i>New York City</i>	46 v.
William Peyton May	<i>Norfolk, Va.</i>	669 w.R.
Stanton Witter Mead	<i>Wisconsin Rapids, Wis.</i>	54 v.
Charles Grafton Meyer	<i>Ada, Ohio</i>	1186 t.
John Philip Meyer	<i>St. Louis, Mo.</i>	667 w.R.
Spencer Hotchkiss Miller	<i>Meriden, Conn.</i>	47 v.
John Arthur Dickinson Miner	<i>Naugatuck, Conn.</i>	102 w.
Worthington Cogswell Miner	<i>Greenwich, Conn.</i>	791 m.Q.
Francis Hannaford Mitchell	<i>Cincinnati, Ohio</i>	103 w.
Samuel Morehouse	<i>New Haven, Conn.</i>	27 v.
Jarvis Means Morse	<i>Windsor Locks, Conn.</i>	123 w.
Israel Nair	<i>New Britain, Conn.</i>	638 w.R.
Earl Jerome Nettleton	<i>Bridgeport, Conn.</i>	782 m.Q.
Gregg Neville	<i>Wellesley Farms, Mass.</i>	56 v.

Ansley Newman	Buffalo, N. Y.	716 M.Q.
Henry Eugene Norton	Torrington, Conn.	27 v.
Richard Copeland Norton	Mt. Hermon, Mass.	129 w.
Harry Patrick O'Connor	New Britain, Conn.	108 w.
Arthur Edward O'Gorman	New York City	31 v.
Haven Benjamin Page	New Haven, Conn.	9 v.
Robert Guthrie Page	Madison, Wis.	9 v.
Frederick Tillinghast Paine	Brooklyn, N. Y.	55 v.
Edward Hoyt Palmer	Suffern, N. Y.	75 c.
Charles Louis Palms, Jr.	Detroit, Mich.	103 w.
Lewis Pond Parker	Hartford, Conn.	92 c.
Arthur Wellesley Parsons	Berkeley, Calif.	85 c.
John Caldwell Parsons	Hartford, Conn.	67 v.
Bayard Roosevelt Patterson	New York City	133 w.
John Hall Paxton	Danville, Va.	45 v.
George Ellis Peirce, Jr.	Providence, R. I.	30 v.
Frederick James Peterson	Honolulu, H. T.	41 v.
John Kingsley Pollard	Northampton, Mass.	17 v.
James Eugene Pooley	Meriden, Conn.	11 v.
Charles Dudley Pratt	Honolulu, H. T.	41 v.
Charles Holden Prescott, Jr.	Cleveland, Ohio	44 v.
John Adams Prosser	Glencoe, Ill.	122 w.
Emerson Blauvelt Quail	Salisbury, Conn.	7 v.
McClure Barnett Ramsay	New Bloomfield, Pa.	159 L.
Harold Clarke Randall	Rocky Ford, Colo.	120 w.
Eugene Joseph Raphael	New York City	16 v.
Edward Sidney Rawson, Jr.	Glens Falls, N. Y.	667 w.
Kenneth Tracy Redick	Newington, Conn.	48 v.
Albert Layton Register, Jr.	Philadelphia, Pa.	61 v.
David Malcom Reich	Bridgeport, Conn.	
	824 Park ave., Bridgeport	
Philip Reich	Bridgeport, Conn.	612 w.
Thorburn Reid, Jr.	Essex Fells, N. Y.	94 w.
William Aloysius Reilly	New Haven, Conn.	813 Congress ave.
George Lawrence Reinacher	New London, Conn.	182 L.
Harold Neil Renfrew	West Haven, Conn.	
	35 Smith st., West Haven	
Gordon Renner	Cincinnati, Ohio	8 v.
Harry Edward Rice, Jr.	Vicksburg, Miss.	95 w.
Gaius Barrett Rich, 3d	Buffalo, N. Y.	39 v.
Martin Henry Robbins	Sewickley, Pa.	20 v.
Jerome Burton Rockhill	New York City	53 v.
Stanton Edgar Rockwell	Bridgeport, Conn.	139 w.
Clyde Harper Roddy	Clinton, La.	84 c.
Wells Crosby Root	Geneva, N. Y.	65 v.
David Lee Rosenau, Jr.	Athens, Ala.	125 w.
Alfred North Rowland	Waterbury, Conn.	6 v.
John Harold Rule	Little Rock, Ark.	159 L.
Manuel Sorrell Sachs	New Haven, Conn.	97 Oak st.

Philip Vernon Sandberg	<i>Albany, N. Y.</i>	33 v.
Jesse Albert Sanders, Jr.	<i>Dallas, Texas</i>	79 c.
Abraham Sarason	<i>New Haven, Conn.</i>	86 Kensington st.
Harold Robert Schaal	<i>Meriden, Conn.</i>	34 v.
Henry Herschel Schaul, Jr.	<i>Atlantic City, N. J.</i>	119 w.
Edward Cutter Scheide	<i>Hartford, Conn.</i>	18 v.
Newell Henry Schooley	<i>Dorrancton, Pa.</i>	114 w.
George Schwolsky	<i>Hartford, Conn.</i>	
	135 Wooster st., Hartford	
Samuel Selden	<i>Westfield, N. Y.</i>	124 w.
Robert Fitch Shedden	<i>Brookline, Mass.</i>	748 M.Q.
Theron David Shelton, Jr.	<i>New Haven, Conn.</i>	55 Sylvan ave.
Adrian Warren Smith	<i>Buffalo, N. Y.</i>	674 WR.
Dwight Chichester Smith	<i>Seattle, Wash.</i>	96 w.
Donald Winnifred Smith	<i>Barre, Vi.</i>	812 M.Q.
Frederick Merwin Smith, Jr.	<i>South Hadley Falls, Mass.</i>	51 v.
Herbert Thatcher Smith	<i>Atlantic, Mass.</i>	62 Lake pl.
Yates Gorham Smith	<i>Detroit, Mich.</i>	670 WR.
Robert Folger Solley	<i>New York City</i>	50 v.
John Gordon Ferrier Speiden	<i>Summit, N. J.</i>	97 w.
Frederick Lionel Spencer	<i>Higbland Park, Ill.</i>	103 w.
Willard Wylie Spencer	<i>Mt. Vernon, N. Y.</i>	625 WR.
Welles Adams Standish	<i>Hartford, Conn.</i>	87 c.
Edward Starr, Jr.	<i>Philadelphia, Pa.</i>	58 v.
Henry Putnam Stearns, 2d	<i>New Hartford, Conn.</i>	42 v.
George Woolverton Stedman, Jr.	<i>Albany, N. Y.</i>	30 v.
Harold Leo Stein	<i>New York City</i>	169 L.
Joseph Harding Stickler	<i>Orange, N. J.</i>	88 c.
William Burnham Stimson	<i>New York City</i>	94 w.
Harry Stephen Stockmeyer	<i>New York City</i>	34 v.
Bradford Field Story	<i>Newton, Mass.</i>	151 L.
Henry Barnard Strong	<i>Westersfield, Conn.</i>	673 WR.
Justin Cornelius Sturm	<i>Nebawka, Nebr.</i>	140 w.
Kenneth Carlyle Sutphen	<i>Newark, N. J.</i>	126 w.
Otto Henry Sutter	<i>North Canton, Ohio</i>	93 c.
Richard Nelson Taliaferro	<i>New York City</i>	25 v.
David Chrystal Thomas	<i>Glen Ridge, N. J.</i>	49 v.
John Allen Thomas	<i>New York City</i>	116 w.
George Abram Thornton	<i>Bedford, Ind.</i>	62 v.
Richard William Tierney, Jr.	<i>Fall River, Mass.</i>	2 v.
George Walter Tobin	<i>New York City</i>	2 v.
James William Toumey, Jr.	<i>New Haven, Conn.</i>	85 c.
Frederic dePeyster Townsend, Jr.	<i>Cooperstown, N. Y.</i>	51 v.
Wallace Randall Treat	<i>Bridgewater, Conn.</i>	27 v.
Edwin Woodford Tucker	<i>Hartford, Conn.</i>	76 c.
Leon Arthur Tulin	<i>Hartford, Conn.</i>	115 w.
Bruce Rothrock Tuttle	<i>New York City</i>	82 c.
Franklyn Benjamin Tuttle	<i>Naugatuck, Conn.</i>	33 v.
Joseph Allen Wakeman	<i>Fairfield, Conn.</i>	86 c.

Alfred Percy Walker, Jr.	<i>Pelham Manor, N. Y.</i>	36 v.
John Walker	<i>Ansonia, Conn.</i>	40 v.
Harold Wendover Walton	<i>Louisville, Ky.</i>	1 v.
George Alfred Warren	<i>Winsted, Conn.</i>	129 w.
Robert Hall Warren	<i>Chicago, Ill.</i>	60 v.
Frederick Williams Watrous	<i>New Haven, Conn.</i>	82 c.
Harry Watstein	<i>New Haven, Conn.</i>	843 Howard ave.
Charles Sherrill Webb	<i>Greenport, L. I., N. Y.</i>	673 wr.
Morris Weinstein	<i>Bronx, New York City</i>	72 c.
Francis Dudley Wheeler	<i>Jacksonville, Fla.</i>	119 w.
John Edward Wheeler	<i>Columbus, Wis.</i>	28 v.
William Homer White	<i>Orange, Texas</i>	84 c.
George Kenneth Whiteside	<i>Evanston, Ill.</i>	86 Trumbull st.
Robert Foster Whitmer, Jr.	<i>Philadelphia, Pa.</i>	58 v.
Cornelius Vanderbilt Whitney	<i>New York City</i>	67 v.
Charles Albert Wight	<i>Chicopee Falls, Mass.</i>	675 wr.
Charles Dickerman Williams	<i>Plainfield, N. Y.</i>	42 v.
Winthrop Williams	<i>New York City</i>	785 M.Q.
John Chapman Wilson	<i>Trenton, N. Y.</i>	9 v.
Brison Jarvis Wood	<i>Pasadena, Calif.</i>	81 c.
Harold Rollin Woodruff	<i>Mt. Carmel, Conn.</i>	6 v.
Richard Woodruff	<i>Pittsfield, Mass.</i>	15 v.
Stanley Woodward	<i>Philadelphia, Pa.</i>	68 v.
Roger Mirick Woolley	<i>Brooklyn, N. Y.</i>	51 v.
John Booth Works, Jr.	<i>Cincinnati, Ohio</i>	17 v.
Hayden Lockwood Wright	<i>Detroit, Mich.</i>	75 c.

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CLASS OF 1923

William Townsend Adee	<i>Tuxedo Park, N. Y.</i>	260 d.
Abraham Saul Alderman	<i>New Haven, Conn.</i>	40 Spruce st.
Herman Hillebrand Alexander	<i>Honolulu, H. T.</i>	211 f.
Frederick Wilson Aley	<i>Wichita, Kans.</i>	619 wr.
Samuel Jacob Allinson	<i>New Haven, Conn.</i>	774 Grand ave.
Bernard Lewis Alpert	<i>New Britain, Conn.</i>	173 l.
Benjamin Motosh Altschuler	<i>Wallingford, Conn.</i>	170 l.
James Knickerbocker Angell	<i>Waverly, N. Y.</i>	227 f.
William Marshall Armstrong	<i>Sharon, Pa.</i>	241 d.
Hermann Bruno Arnold	<i>New Haven, Conn.</i>	210 f.
Lyndon Arnold	<i>New York City</i>	251 d.
Henry Adams Ashforth	<i>New York City</i>	230 f.
Arnold Samuel Askin	<i>New York City</i>	153 l.
Parker Bailey	<i>Cleveland, Ohio</i>	1202 t.
Willis Jerome Ballinger	<i>Washington, D. C.</i>	167 l.
William Dinsmore Banks	<i>New York City</i>	260 d.
Robert Chapman Bates	<i>New York City</i>	606 wr.
Bader Lawrence Battle	<i>St. Louis, Mo.</i>	240 d.
Norman Coulston Batty	<i>Utica, N. Y.</i>	636 wr.

Perry William Bean	Hartford, Conn.	243 D.
Warwick Beardsley	New Haven, Conn.	627 WR.
George Campbell Becket	East Orange, N. Y.	263 D.
Clyde Grosvenor Beckwith	New Haven, Conn.	4 Sheffield ave.
James Galbraith Bennett	Minneapolis, Minn.	18 V.
Harvey Wilder Bentley	San Francisco, Calif.	254 D.
Sully Irwin Berman	Waterbury, Conn.	163 L.
Franklin Armand Bickford	Worcester, Mass.	142 L.
David Hardwick Bigelow	Andover, Mass.	616 WR.
Philip Biggert	Evanston, Ill.	662 WR.
Richard James Bingham	New Haven, Conn.	138 W.
Leonard LeValley Bishop, Jr.	Westhampton Beach, L. I., N. Y.	156 L.
Edgar Joseph Bitz	Port Chester, N. Y.	131 W.
John Walter Blair	Spokane, Wash.	1201 Chapel st.
Daniel Henry Blake, Jr.	London, England	257 D.
Chester Guild Boltwood	Grand Rapids, Mich.	271 D.
Elzear Gilbert Bonin	New Haven, Conn.	181 Goffe st.
James Bordley, 3d	Baltimore, Md.	154 L.
Wallace Robert Bostwick	Upper Montclair, N. J.	257 D.
George Rodman Bouck	Brooklyn, N. Y.	148 L.
Clarence Emmanuel Boyer	Huntington, Mo.	109 College st.
Playford Boyle	Uniontown, Pa.	267 D.
Richard Phillips Breed	Lynn, Mass.	634 WR.
Mose Brenner	New Haven, Conn.	53 Pearl st.
Timothy Francis Brewer, Jr.	Norwich, Conn.	201 F.
Walter Charles Briggs	Minneapolis, Minn.	252 D.
John Brooks	New York City	220 F.
Abe Solomon Brown	Waterbury, Conn.	163 L.
Harvey Templeton Brown	St. Joseph, Mo.	262 D.
Karl Stanley Brown	Allentown, Pa.	213 F.
Nelson Weston Bryant	Roslindale, Mass.	158 L.
Edwin Hathaway Buck	Wilmington, Mass.	637 WR.
Otis Buckingham	Pasadena, Calif.	208 F.
Jonathan Ogden Bulkley	New York City	161 L.
William Henry Burnham, 2d	Hartford, Conn.	601 WR.
Francis Joseph Carroll Byrne	Waterbury, Conn.	605 WR.
Alan Allardyce Cairns	Montclair, N. J.	239 D.
Kleber Alexander Campbell, Jr.	Hopedale, Mass.	160 L.
Thomas Campbell	New York City	216 F.
John Bennett Carrington, Jr.	New Haven, Conn.	262 D.
Percival Carter	Williamstown, Mass.	661 WR.
Morgan Alton Casey	Auburn, N. Y.	253 D.
John Bowman Chapple	Asbland, Wis.	94 W.
Otis Chatfield-Taylor	Chicago, Ill.	647 WR.
Frederick Hamilton Chetlain	Chicago, Ill.	167 L.
Edward Cheston Clark	Philadelphia, Pa.	642 WR.
Warren Hopkins Clark	San Francisco, Calif.	608 WR.
Paul Ferris Clifford	Minneapolis, Minn.	656 WR.
Amos Hubbell Cobb, 3d	Brignton, N. Y.	25 V.

John Taylor Cochrane, Jr.	Mobile, Ala.	211 F.
John Coggeshall	New York City	654 WR.
Harry Aaron Cohen	New Haven, Conn.	11 Broad st.
Dwight Pettee Colburn	Sbaron, Mass.	155 L.
James Sloan Coleman, Jr.	Asheville, N. C.	200 F.
Francis Bunce Comstock	New Haven, Conn.	220 F.
Charles Royal Connelly	New Haven, Conn.	135 Dover st.
Stearns Cook	Minneapolis, Minn.	149 L.
Henry Baldwin Cooke	Honolulu, H. T.	656 WR.
Alan Mills Cooper	Moline, Ill.	204 F.
John Sherman Cooper, Jr.	Somerset, Ky.	617 WR.
Moses Cooperstock	New Haven, Conn.	589 Chapel st.
Bernard Paul Corbett	New Haven, Conn.	320 Whalley ave.
Arthur Linton Corbin, Jr.	New Haven, Conn.	604 WR.
John Michael Cordopatis	Scranton, Pa.	237 D.
Orrin Monroe Corwin, Jr.	Minneapolis, Minn.	244 D.
John Cotter	Lynn, Mass.	616 WR.
Alfred Winfield Craven, Jr.	Elgin, Ill.	635 WR.
Andrew Jefferson Crawford	Terre Haute, Ind.	249 D.
Crittenden Churchill Crittenden	New York City	165 L.
William Winslow Croskey	Madison, Wis.	639 WR.
Harry King Cross	Providence, R. I.	120 W.
Phillip Hieronymus Cruikshank	Decatur, Ill.	251 D.
Paul Trauger Culbertson	Washington, D. C.	166 L.
Edwin Hunt Cummings, Jr.	North Attleboro, Mass.	265 D.
Lewis Perry Curtis	New Haven, Conn.	154 L.
Raymond Morse Curtis	Garrison-on-Hudson, N. Y.	250 Crown st.
Joseph Toy Curtiss	Simsbury, Conn.	175 L.
Edward August Dahl	Buffalo, N. Y.	150 L.
Jesse Chase Dann, Jr.	Buffalo, N. Y.	221 F.
Russell Wheeler Davenport	Philadelphia, Pa.	202 F.
Benjamin Edmund David, Jr.	New York City	121 W.
David Theodore Davis	New York City	174 L.
John Kirby Davis	Buffalo, N. Y.	204 F.
Leslie David Newell Davis	East Norwalk, Conn.	652 WR.
Elbridge Clifton Day	Minneapolis, Minn.	237 D.
Huntington Townsend Day	New York City	235 D.
Lewis Andrew Day	Winnetka, Ill.	663 WR.
Rolland Lamar Dean	Miami, Fla.	602 WR.
William Hamlet Dean	Manchester, Conn.	796 Howard ave.
• Logan Degen	Pittsburg, Pa.	238 D.
Charles TenEyck DePuy, Jr.	Rochester, N. Y.	175 L.
John Barlow Derby	New Haven, Conn.	149 L.
Henri Louis Jacques deSibour	Washington, D. C.	219 F.
Charles Minot Dole	Andover, Mass.	267 D.
Walter Angelo Donahoe	Seattle, Wash.	646 WR.
Carlos Corey Drake	Chicago, Ill.	265 D.
John Burroughs Drake, Jr.	Chicago, Ill.	634 WR.

Robert Parker Dudley	Concord, Mass.	156 L.
Perry McFaddin Duncan	Huntington, W. Va.	628 WR.
William Huse Dunham, Jr.	Evanston, Ill.	658 WR.
Thomas Wells Durant	New York City	272 D.
Theodore Woolsey Dwight	New York City	629 WR.
George Turnley Dyer, Jr.	Chicago, Ill.	200 F.
Frederick Selden Eaton	New Haven, Conn.	255 D.
Caleb Francis Eddy	Wellesley Hills, Mass.	631 WR.
Jonathan Walter Edwards	New York City	248 D.
Robert Nathan Edwards	Louisville, Ky.	109 College st.
John Greenleaf Eliot	St. Louis, Mo.	215 F.
Edward Emerson	Titusville, Pa.	240 D.
Gordon North Estill	Lakeville, Conn.	629 WR.
Joshua Levering Evans	Ruxton, Md.	234 D.
Oliver Evans	Pittsburgh, Pa.	111 W.
Prescott Evarts, 2d	Windsor, Vt.	179 L.
Charles Raymond Everitt	Huntington, L. I., N. Y.	234 D.
Ralph Gideon Failing	Fort Plain, N. Y.	623 WR.
Henry Donald Fairhurst	Paterson, N. J.	268 D.
Randolph Faris	Youngstown, Ohio	662 WR.
Joe Ray Fawcett	Salem, Ohio	165 L.
Samuel Henry Feldman	Holyoke, Mass.	67 Grove st.
John Maynard Field	Peoria, Ill.	252 D.
Jacob Ephraim Fish	New Haven, Conn.	184 Putnam st.
Irving Norton Fisher	New Haven, Conn.	148 L.
Arthur Lyman Fisk, Jr.	New York City	610 WR.
Robert Bishop Fiske	Detroit, Mich.	631 WR.
Robert Elliot Fitch	Hongkong, China	157 L.
Frederick Fleischnan, Jr.	New York City	602 WR.
Charles Maurice Fleischer	Brighton, Mass.	650 WR.
Harold Aloysius Flynn	New Haven, Conn.	246 D.
John Lyman Folsom	St. Albans, Vt.	164 L.
Ray Palmer Foote	Washington, D. C.	235 D.
Kenneth Morse Ford	Salem, Mass.	637 WR.
William Herbert Forsyth	Milwaukee, Wis.	601 WR.
Maxwell Evarts Foster	Boston, Mass.	217 F.
Richard McAllister Foster	New York City	178 L.
Thomas Jefferson Foster, Jr.	Scranton, Pa.	610 WR.
John Francis Fowler, Jr.	New York City	605 WR.
John Freeman	Philadelphia, Pa.	254 D.
James Gordon Fullerton, Jr.	Minneapolis, Minn.	657 WR.
John Bertram Galbraith	Erie, Pa.	135 W.
John Howard Garber	Pittsburgh, Pa.	180 L.
Donald Farnum Gibson	Ogden, Utah	183 L.
Irving Samuel Gilmore	Kalamazoo, Mich.	644 WR.
George Gitlitz	New Haven, Conn.	615 WR.
Charles Conrad Glock	Jersey City, N. J.	243 D.
Henry Robert Goldberg	Hartford, Conn.	170 L.
James Kenneth Goodwine	Hoopeston, Ill.	174 L.

John Stuart Gordon	Hazardville, Conn.	658 WR.
Joseph Andrew Graham	Waterbury, Conn.	158 L.
Philip Sands Graham	New York City	171 L.
Thomas Dudley Green	New York City	216 F.
Louis Greenberg	New Haven, Conn.	137 Greenwood st.
Robert Hayes Gries	Cincinnati, Ohio	135 Wall st.
Thomas William Hackett	New Haven, Conn.	249 D.
Gordon Sherman Haight	Muskegon, Mich.	628 WR.
Graham Roots Hall	Little Rock, Ark.	649 WR.
Hugh Maxwell Hamill	Philadelphia, Pa.	214 F.
David Harrell, Jr.	Austin, Texas	663 WR.
Bruce Burnham Harris	Champaign, Ill.	659 WR.
Harold Vincent Harris	Lincoln, R. I.	796 Howard ave.
Lionel Howard Harris	Bradford, Pa.	179 L.
Richard Edes Harrison	New Haven, Conn.	142 Huntington st.
Herbert Weidler Hartman, Jr.	Lancaster, Pa.	178 L.
Thomas Raymond Hartnett	Three Rivers, Mass.	664 WR.
Richard Hartshorne	Higblands, N. J.	143 L.
George Paul Hatch	West Haven, Conn.	
	272 1st ave., West Haven	
John Augustus Hauff, Jr.	New Haven, Conn.	651 WR.
William Ballinger Hawks	Pasadena, Calif.	222 F.
James Pomeroy Hendrick	New York City	248 D.
John William Herron	Washington, D. C.	640 WR.
Charles Baker Hester	Brooklyn, N. Y.	655 WR.
Edward Theodore Hetzler	New York City	645 WR.
Dorr Sweet Hickey	Milford, N. Y.	10 V.
Freeman Higgins	Boston, Mass.	203 F.
Edward Trevor Hill	New York City	258 D.
Robert Bowman Hipple	Pierre, S. Dak.	250 D.
Charles Elbert Hodge	Fargo, N. Dak.	171 L.
John Edmund Holland, Jr.	Chicago, Ill.	654 WR.
Josiah Gilbert Holland	Denver, Colo.	607 WR.
Victor Homentowski	Hartford, Conn.	678 WR.
Samuel Cornell Hopkins, Jr.	Catskill, N. Y.	143 L.
Sylvester Charles Joseph Horn	St. Louis, Mo.	660 WR.
Robert Clifford Hubbell	Buffalo, N. Y.	659 WR.
Thomas Charles Huber	Wilkes Barre, Pa.	630 WR.
David Raymond Husted	Peekskill, N. Y.	223 F.
Ellery Spaulding Husted	Peekskill, N. Y.	223 F.
Kindred Mitchell Hyde	Summit, N. J.	679 WR.
Louis Kepler Hyde, Jr.	Plainfield, N. J.	248 D.
Henry Cleland Iddings	Asheville, N. C.	155 L.
Robert Davis Jackson	Washington, D. C.	616 WR.
Wilfrid Anthony Jackson	Waterbury, Conn.	147 L.
Donald Denny James	Watertown, Mass.	269 D.
William Leeming Jelliffe	New York City	648 WR.
Benjamin Everett Joline	Tottenville, N. Y.	244 D.
Edward Payson Jones, Jr.	Winsted, Conn.	24 V.

Edwin Alfred Jones	Jackson, Ohio	268 D.
Ralph Edward Jordan	Bangor, Maine	649 WR.
Hugh Michael Joseloff	Waterbury, Conn.	614 WR.
Ferris Mills Judy	Indianapolis, Ind.	43 V.
Howard William Kane	Syracuse, N. Y.	742 M.Q.
Abraham Kane Kaufman	New York City	612 WR.
Joseph Morton Kaufman	Exeter Boro, Pa.	153 L.
Joseph Choate Keefe	New London, Conn.	100 W.
Deane Keller	New Haven, Conn.	613 WR.
Daniel James Kelley	Cambridge, Mass.	HART
William Charles Kernan	Hollywood, Calif.	256 D.
Harry Harper Kimberly, Jr.	Hampton, Va.	240 D.
Gilbert Leonard King	New York City	209 F.
John Hamilton King	Willimantic, Conn.	627 W.
Claremont Judson Koenig	Buffalo, N. Y.	231 F.
Julius Howard Kolb, Jr.	Denver, Colo.	152 L.
Palmer Davies Kountze	New York City	644 WR.
Edward James Kuntz	Dayton, Ohio	649 WR.
Richard Landauer	Milwaukee, Wis.	633 WR.
Arnold Preston Lang	Larchmont, N. Y.	161 L.
George Edward Roberts Lawrence	Binghamton, N. Y.	636 WR.
Henry Bolles Lent	Elmira, N. Y.	231 F.
Max Lerner	New Haven, Conn.	173 L.
Harrison Levy	Oklahoma City, Okla.	215 F.
William Lewis	Scranton, Pa.	166 L.
Nathaniel Trowbridge Lovell	West Newton, Mass.	269 D.
Joseph Cyril Lucey	New Haven, Conn.	712 Orange st.
Charles Pinckney Luckey	New Haven, Conn.	226 F.
Robert Emmet Lusk	Derby, Conn.	641 WR.
Joseph Gregory Lynch	Waterbury, Conn.	147 L.
Ernest Crittenden Lyons	Bay Ridge, Brooklyn, N. Y.	181 L.
Edward James McCabe	New Haven, Conn.	108 W.
Edward Leigh McCarty	Coeur d'Alene, Idaho	676 WR.
Samuel Grant McClure, Jr.	Youngstown, Ohio	611 WR.
James Buchanan McDonough, Jr.	Fort Smith, Ark.	660 WR.
Haines Allen Machesney, Jr.	Pittsburg, Pa.	661 WR.
John James MacKay	New York City	162 L.
Locke Litton Mackenzie	New York City	239 D.
Duer McLanahan	Washington, D. C.	218 F.
Stuart Bruce McNaught	Brooklyn, N. Y.	653 WR.
Albert Fred Madlener, Jr.	Chicago, Ill.	230 F.
William Thomas Mann	Washington, D. C.	655 WR.
John Alphonso Maresca	New Haven, Conn.	592 Chapel st.
Abraham Markle	New Haven, Conn.	256 Portsea st.
Delmar Shepard Markle	New Haven, Conn.	46 Harrison st.
Samuel Tobias Markoff	New Haven, Conn.	18 Kimberly ave.
Harry Reinhard Marshall	New Haven, Conn.	271 D.
Darwin Reidpath Martin	Buffalo, N. Y.	626 WR.
George Abraham Martin, Jr.	Cleveland, Ohio	134 W.
Gould Bond Martin	New York City	239 D.

Joseph Theodore Mathis	New Haven, Conn.	27 Main st.
Francis Otto Matthiessen	Tarrytown, N. Y.	202 F.
Byron Britton May	Brooklyn, N. Y.	263 D.
Jacob Leonard Merriam	New Haven, Conn.	76 Rosette st.
Reynolds Churchill Miller	Wilkes Barre, Pa.	604 W.R.
Rollin Ellis Miller	Libertyville, Ill.	238 D.
George Parsons Milmine	New York City	655 W.R.
James Bradshaw Mintener	Minneapolis, Minn.	809 Whitney ave.
Alexander Mitchell	Jacksonville, Fla.	647 W.R.
Clarence Buckingham Mitchell	Chicago, Ill.	230 F.
Woodbridge Edwards Morris	New Haven, Conn.	210 F.
Oliver Clayton Mosman, Jr.	Kansas City, Mo.	620 W.R.
William Francis Moyes, Jr.	Lawrence, Mass.	162 L.
Edgerton Lee Moyle	New Haven, Conn.	151 Alden ave.
Archibald Carr Mudge	St. Paul, Minn.	657 W.R.
Bennet Bronson Murdock	Meriden, Conn.	608 W.R.
Francis Timothy Murphy	Dorchester, Mass.	HART
Goodrich Kibben Murphy	New Canaan, Conn.	211 F.
Kirke Albert Neal	Detroit, Mich.	233 D.
George Washington Norton, Jr.	Louisville, Ky.	225 F.
John Kranz Notz	Chicago, Ill.	206 F.
Hiram Merrill Nowlan	Janesville, Wis.	623 W.R.
Harry Clifford Oard	Seattle, Wash.	250 D.
John Larkin O'Brien	West Cazy, N. Y.	226 F.
Thomas Kenefick O'Brien	New York City	37 V.
Charles Stockwell Ohley	Charleston, W. Va.	266 D.
William Downtain Ohley	Charleston, W. Va.	266 D.
Fuyuki Okumura	Honolulu, H. I.	160 L.
George Edward Olmstead	West Brookfield, Mass.	626 W.R.
Stuart Huntington Otis	Chicago, Ill.	222 F.
James Churchill Owen	Denver, Colo.	607 W.R.
John Sabine Owen, 2d	Owen, Wis.	262 D.
William Chambers Parke	Decatur, Ill.	229 F.
David Phipps Parker	New York City	622 W.R.
John Harland Paul	Indianapolis, Ind.	652 W.R.
Seymour Roe Peck	Bristol, Conn.	270 D.
Bernard Berenger Pelly	Seattle, Wash.	646 W.R.
David Huntington Perkins	Greenwich, Conn.	171 L.
Rogers Perry	New Haven, Conn.	151 L.
Loyd Steil Pettegrew	Brooklyn, N. Y.	130 W.
Alfred Henry Phillips	New Haven, Conn.	413 Orange st.
Josiah Thompson Phinney	West Roxbury, Mass.	665 W.R.
Leonard Scranton Platt	Scranton, Pa.	219 York st.
Joseph Lawrence Pond	New York City	208 F.
Joseph Scott Reeves	Nashville, Tenn.	642 W.R.
Collier Rhoads	Boyetown, Pa.	150 L.
George Stanley Rice, Jr.	Petoskey, Mich.	270 D.
Bennett Rodgers	Pittsburg, Pa.	199 F.
Louis Albert Ruckgaber	Brooklyn, N. Y.	648 W.R.
Daniel Lockwood Rumsey	Buffalo, N. Y.	242 D.

Lee Moses Rumsey, Jr.	<i>Belle Isle, Miami, Fla.</i>	645 WR.
Earl Joseph Rusnak	<i>Chicago, Ill.</i>	633 WR.
Albert Lacy Russel	<i>Richmond, Ky.</i>	157 L.
Robert Blake Russell	<i>White Plains, N. Y.</i>	635 WR.
Elmer William Ryan	<i>New Haven, Conn.</i>	18 Maltby pl.
Charles Evander Schley	<i>New York City</i>	247 D.
Otto Alfred Schreiber	<i>Brooklyn, N. Y.</i>	621 WR.
Townsend Scudder	<i>Glen Head, L. I., N. Y.</i>	178 L.
Edward Joseph Scully	<i>Ansonia, Conn.</i>	164 L.
Louis John Seeger	<i>New Haven, Conn.</i>	193 Dover st.
Robert Hartman Seiple	<i>New Brighton, Pa.</i>	241 D.
William Potter Sessions	<i>Chicago, Ill.</i>	180 L.
William Henry Seward	<i>Binghamton, N. Y.</i>	632 WR.
Willard Saxton Seward	<i>Guilford, Conn.</i>	242 D.
Frederic Stanley Shaffer	<i>Cincinnati, Ohio</i>	645 WR.
Thomas Ewing Shaw	<i>Pittsburgh, Pa.</i>	199 F.
Daniel Matthew Sheehan, Jr.	<i>New Haven, Conn.</i>	105 Avon st.
Winfield Shiras	<i>Pittsburgh, Pa.</i>	260 D.
Edmund Buxton Shotwell	<i>New York City</i>	261 D.
Alfred Bryce Sidebotham	<i>Lapeer, Mich.</i>	201 F.
Stephen Mason Sill	<i>Derby, Conn.</i>	387 B.
Sherwood Eddy Silliman	<i>East Orange, N. J.</i>	261 D.
Warren Sisman	<i>Grosse Pointe, Mich.</i>	233 D.
Addison Geery Smith	<i>St. Paul, Minn.</i>	643 WR.
Edward Colhoun Smith	<i>Kansas City, Mo.</i>	236 D.
Harry Van Brunt Smith	<i>Brooklyn, N. Y.</i>	621 WR.
Hayden Newhall Smith	<i>Buffalo, N. Y.</i>	221 F.
Ralph Graeme Smith	<i>Washington, D. C.</i>	213 F.
Theodore Studwell Smith	<i>Washington, D. C.</i>	640 WR.
Vincent Francis Thurston Stabeck	<i>Minneapolis, Minn.</i>	653 WR.
Garrett Reiff Stearly	<i>Newark, N. J.</i>	660 WR.
Alan Steinert	<i>New Haven, Conn.</i>	618 WR.
Ralph Charles Stevens	<i>Wallingford, Conn.</i>	124 Prospect st.
William Dixon Stevens	<i>New York City</i>	247 D.
Kenneth Stoddard	<i>New Rochelle, N. Y.</i>	259 D.
Charles Edgar Stokes, Jr.	<i>Trenton, N. J.</i>	236 D.
Charles Parker Stone, Jr.	<i>Washington, D. C.</i>	218 F.
John Ball Stone	<i>Houghton, Mich.</i>	259 D.
Cleveland Hitchcock Storrs	<i>Orange, N. J.</i>	611 WR.
Ernest Stone Stubing	<i>New York City</i>	74 Wall st.
Isadore Svirsky	<i>New Haven, Conn.</i>	519 George st.
William Stuart Symington, 3d	<i>Baltimore, Md.</i>	219 F.
John Hawes Taliaferro	<i>Omaha, Nebr.</i>	611 WR.
James Mason Terrell	<i>Derby, Conn.</i>	608 WR.
Lloyd Frank Thanhauser	<i>Oyster Bay, L. I., N. Y.</i>	630 WR.
Bryant Niles Thompson	<i>Norwood, Mass.</i>	83 C.
Harold Barrett Thorpe	<i>Glen Ridge, N. J.</i>	264 D.
Richard Lodge Tighe	<i>St. Paul, Minn.</i>	223 F.
Lincoln Cady Tisdale	<i>Brooklyn, N. Y.</i>	164 L.
Bryant Franklin Tolles	<i>Hartford, Conn.</i>	23 V.

Henry John Traub	Auburn, N. Y.	253 D.
Cornell Miller Trowbridge, Jr.	Lake Forest, Ill.	659 WR.
Stephen I-O Tsai	Canton, N. Y.	624 WR.
*Daniel Sylvester Tuttle, 2d	St. Louis, Mo.	199 F.
Neville Thompson Ussher	Stonington, Conn.	264 D.
Joseph Manson Valentine	Chappaqua, N. Y.	258 D.
Ellis Cutler Vander Pyl	Oberlin, Ohio	652 WR.
Wayland Farries Vaughan	Newton Center, Mass.	269 D.
John Bemis Veach	Oil City, Pa.	643 WR.
Thomas Vennum	Watseka, Ill.	620 WR.
Frank Edward Vogel	New York City	618 WR.
Dana Greene vonSchrader	Bridgeton, Mo.	622 WR.
Horace Jeremiah Voorhis	Kenosha, Wis.	629 WR.
Festus John Wade, Jr.	St. Louis, Mo.	232 F.
Joseph Frederick Waring	Savannah, Ga.	227 F.
Donald Stillwell Warman	Scranton, Pa.	251 D.
Edmund Place Waterbury	New Haven, Conn.	203 F.
Louis Francis Watermulder	Winnebago, Nebr.	632 WR.
Warburton Carver Webb	Rome, Italy	239 D.
Clifton Fairchild Weidlich	Bridgeport, Conn.	631 WR.
William Bidwell Welden	Simsbury, Conn.	168 L.
Ralph Arthur Weston	West Haven, Conn.	
	72 Center st., West Haven	
Alfred Newton Wheeler, Jr.	New Haven, Conn.	225 F.
George Macy Wheeler	Bridgeport, Conn.	229 F.
Winston Sluss Wheeler	Wichita, Kans.	619 WR.
Oliver Mayhew Whipple	New Haven, Conn.	272 D.
John Martin Whitaker	Baltimore, Md.	648 WR.
Henry Donald Whitcomb, Jr.	East Orange, N. J.	263 D.
Lawrence Whittemore Wiley	Seattle, Wash.	646 WR.
Chauncey Pratt Williams, Jr.	Albany, N. Y.	255 D.
Lucian Edward Williams	Chicago, Ill.	214 F.
James Wiseman Williamson	Omaha, Nebr.	206 F.
McDonald Hardcastle Wilson	Breckenridge, Texas	205 F.
Watson William Wise	Sapulpa, Okla.	617 WR.
Samuel Morris Wixman	New Haven, Conn.	748 Grand ave.
Hugh Baker Wood	Bristol, Conn.	168 L.
Walter Arthur Woodruff	Mt. Carmel, Conn.	646 WR.
Edward Holloway Wray, Jr.	Commerce, Texas	172 L.
Bernhardt Ingemann Wulff	Derby, Conn.	New Haven ave., Derby
Martin Zaiantz	New Haven, Conn.	767 Congress ave.
Theodore Albert Zunder	New Haven, Conn.	246 D.
		TOTAL, 404

*Deceased.

SUMMARY

SENIORS	267
JUNIORS	326
SOPHOMORES	404
TOTAL	997

SHEFFIELD SCIENTIFIC SCHOOL

CLASS OF 1918

John Timothy Callahan	<i>Lawrence, Mass.</i>	17 Hillhouse ave.
Richard Eugene Fuller	<i>New York City</i>	96 Wall st.
John Daniel Kennedy	<i>New Haven, Conn.</i>	228 Bishop st.
Merritt Winter Seely, 2d	<i>Canton, S. Dak.</i>	119 College st.
		TOTAL, 4

CLASS OF 1919

Howard Campbell	<i>Everett, Mass.</i>	133 College st.
Arthur Dimock Clark	<i>New Haven, Conn.</i>	119 College st.
David Edward Gagel	<i>West Haven, Conn.</i>	323 Center st., West Haven
Wilfred George Geile	<i>Seymour, Ind.</i>	HW.A.
Leslie Anton Homrich	<i>Galena, Ill.</i>	51 Trumbull st.
Herbert Maberry Kempton	<i>Malden, Mass.</i>	133 College st.
Francis Thomas McNamara	<i>Clinton, Mass.</i>	70 Trumbull st.
Francis Gregory Minor	<i>New Haven, Conn.</i>	370 Temple st.
Charles Thorne Murphy	<i>Detroit, Mich.</i>	1 Hillhouse ave.
Harold Morris Peters	<i>Providence, R. I.</i>	133 College st.
James Wilton Peters	<i>Providence, R. I.</i>	133 College st.
Harry Poole	<i>New Haven, Conn.</i>	67 Silver st.
John Joel Shively	<i>Brookville, Pa.</i>	148 Grove st.
Alan Nathaniel Steyne	<i>New York City</i>	126 High st.
Charles Edward Swingley	<i>St. Louis, Mo.</i>	96 Wall st.
Walter Madison Taylor	<i>Washington, D. C.</i>	310 York st.
Francis John Wakem	<i>Grosse Pointe, Mich.</i>	1 Hillhouse ave.
James Moss Weber	<i>Chicago, Ill.</i>	84 Wall st.
Victor Alfred Wolff	<i>Waterbury, Conn.</i>	370 Temple st.
		TOTAL, 19

CLASS OF 1920

Donald Campbell Brock	<i>Kenilworth, Ill.</i>	370 Temple st.
Chambers Fulton Bryson	<i>St. Louis, Mo.</i>	370 Temple st.
John Wallace Cutler, Jr.	<i>Atlantic Highlands, N. J.</i>	133 College st.
John Rogers Freeman	<i>Claremont, N. H.</i>	124 Prospect st.
Edgar Pickett Hetzler	<i>Hinsdale, Ill.</i>	124 Prospect st.
Ralph Mitchell Turnbull Johnson	<i>New Haven, Conn.</i>	310 York st.
Frank Mongillo	<i>New Haven, Conn.</i>	84 Lyon st.
Kenneth Hogarth Sheldon	<i>New York City</i>	1 Hillhouse ave.
Juan Terry Trippe	<i>New York City</i>	133 College st.
Leon Brooks Walker	<i>Minneapolis, Minn.</i>	1 Hillhouse ave.
		TOTAL, 10

CLASS OF 1921

Benjamin Samuel Abeshouse	<i>New Haven, Conn.</i>	216 Oak st.
Treat Payne Andrew	<i>Naugatuck, Conn.</i>	17 Hillhouse ave.
Harold Chase Ashworth	<i>Watertown, Conn.</i>	360 Temple st.
Warner Lewis Atkins	<i>Cincinnati, Ohio</i>	133 College st.
Clayton Eddy Bailey	<i>Jamestown, N. Y.</i>	111 Grove st.
Samuel Bailey	<i>New Haven, Conn.</i>	2 Dwight st.
Arthur Lorenz Baker	<i>Toledo, Ohio</i>	111 Grove st.
Christopher Columbus Baldwin, Jr.	<i>Dongan Hills, N. Y.</i>	96 Wall st.
Royal Moulton Bassett	<i>Milford, Conn.</i>	133 College st.
Hans Adolph Bauer	<i>New Haven, Conn.</i>	716 Dixwell ave.
Claude Tyrrell Begg	<i>Bridgeport, Conn.</i>	310 York st.
Simon Anthony Beisler	<i>New Haven, Conn.</i>	150 Ferry st.
Irving Theodore Bennett	<i>Stratford, Conn.</i>	8 Prospect pl.
August Berman	<i>New Haven, Conn.</i>	35 Frank st.
George Dwight Bettcher	<i>New Haven, Conn.</i>	360 Temple st.
Louis Faugeres Bishop, Jr.	<i>New York City</i>	360 Temple st.
John Alden Blanchard	<i>Detroit, Mich.</i>	111 Grove st.
Julius Blankfein	<i>Whitestone, N. Y.</i>	420 Temple st.
Paul Charles Blum	<i>New York City</i>	196 E.
Ronald Peck Boardman	<i>Schenectady, N. Y.</i>	467 E.W.
Ernest Ralph Borho	<i>New Haven, Conn.</i>	166 Orange st.
Arnold Everett Bowen	<i>Willimantic, Conn.</i>	112 College st.
William Bingham Brayton, Jr.	<i>Cleveland, Ohio</i>	96 Wall st.
William Richard Brend	<i>Norwich, Conn.</i>	1103 E.
Daniel Fisher Brown	<i>St. Louis, Mo.</i>	1 Hillhouse ave.
Gordon Denny Brown	<i>Honolulu, H. I.</i>	370 Temple st.
Marvin Sanger Brown	<i>Cleveland, Ohio</i>	360 Temple st.
Willard Everett Brown	<i>Honolulu, H. I.</i>	370 Temple st.
Edwin Horace Bryan, Jr.	<i>Honolulu, H. I.</i>	82 Wall st.
Nathan Buchalter, Jr.	<i>Colchester, Conn.</i>	32 Gilbert st.
Edgar Fitch Bullard	<i>Saratoga Springs, N. Y.</i>	111 Grove st.
Richard Lee Bump	<i>Bridgeport, Conn.</i>	114 College st.
Joseph Paul Burns	<i>New York City</i>	H.W.A.
Roy Hagar Burrill	<i>New Rochelle, N. Y.</i>	17 Hillhouse ave.
Royston Elliott Campbell	<i>Santa Barbara, Calif.</i>	111 Grove st.
William Anderson Carl	<i>Kingston, N. Y.</i>	124 Prospect st.
Harry Gray Carley	<i>New Haven, Conn.</i>	17 Hillhouse ave.
Millard Aaron Carlson	<i>East Haven, Conn.</i>	
	<i>Foxon st., East Haven</i>	
Henry George Carroll	<i>Beacon Falls, Conn.</i>	1158 T.
Harry Hancock Chase	<i>Wallingford, Conn.</i>	78 Wall st.
Arthur Charles Cherry	<i>New Haven, Conn.</i>	995 Yale P. O.
Edward Cyrus Clark, Jr.	<i>Cedar Rapids, Iowa</i>	360 Temple st.
Samuel Orman Clark, Jr.	<i>Woodbridge, Conn.</i>	310 York st.
George Anthony Clarke	<i>New Haven, Conn.</i>	73 Edgewood ave.
Francis Dixon Cleveland, Jr.	<i>Cambridge, Mass.</i>	119 College st.
Daniel Erwin Coburn	<i>Indianapolis, Ind.</i>	1 Hillhouse ave.

Howard Edward Coggeshall	<i>Pasadena, Calif.</i>	17 Hillhouse ave.
George William Colton	<i>Toledo, Ohio</i>	352 Temple st.
Wilson Clifford Colvin	<i>New Haven, Conn.</i>	342 Sherman ave.
Richard Joseph Connor	<i>New Haven, Conn.</i>	64 Lilac st.
John William Considine, Jr.	<i>Seattle, Wash.</i>	17 Hillhouse ave.
Henry Austin Cook	<i>Shelton, Conn.</i>	59 Bridgeport ave., Shelton
Charles Perkins Cottrell, Jr.	<i>Westerly, R. I.</i>	133 College st.
Walter Winchester Cox	<i>East Orange, N. J.</i>	96 Wall st.
Henry Coleman Crowell	<i>Winnetka, Ill.</i>	516 Orange st.
Edward Alexander Culbertson	<i>South Pasadena, Calif.</i>	17 Hillhouse ave.
Stephen Paxson Darlington, 2d	<i>Georgetown, S. C.</i>	17 Hillhouse ave.
David Davidson	<i>Bridgeport, Conn.</i>	76 Wall st.
Robert Howard Davis, Jr.	<i>New York City</i>	119 College st.
Lester Joseph DeFonso	<i>New Haven, Conn.</i>	22 Prince st.
Thomas Denny, Jr.	<i>New York City</i>	133 College st.
Thomas Vernon Dickens	<i>La Crosse, Wis.</i>	119 College st.
Frederick Augustus Dickinson	<i>Hampton, Va.</i>	17 Hillhouse ave.
Chauncey William Diecks	<i>West Orange, N. J.</i>	379 Temple st.
Allen Cooper Diefendorf	<i>New Haven, Conn.</i>	360 Temple st.
Eugene Tooley Dines	<i>Denver, Colo.</i>	1 Hillhouse ave.
Enoch Hall Doble	<i>Quincy, Mass.</i>	152 Grove st.
Norman Dodd	<i>South Orange, N. J.</i>	111 Grove st.
James Moran Donnelly	<i>New Haven, Conn.</i>	70 Trumbull st.
Thomas Henry Draper	<i>West Haven, Conn.</i>	430 Beach st., West Haven
Joseph Vincent Dunn	<i>New Haven, Conn.</i>	124 Prospect st.
Earle Seymour Durham	<i>New Haven, Conn.</i>	291 Townsend ave.
John Vincent Dwyer	<i>Grosse Pointe, Mich.</i>	96 Wall st.
Walter Basil Dziadik	<i>Derby, Conn.</i>	1103 E.
Edward Patrick Francis Eagan	<i>Denver, Colo.</i>	1 Hillhouse ave.
Lloyd Clute Ely	<i>Schenectady, N. Y.</i>	467 W.
Albert William Erdman, Jr.	<i>Hartford, Conn.</i>	352 Temple st.
Sydney Morris Everett	<i>New Haven, Conn.</i>	118 York st.
Leo Joseph Fagan	<i>Meriden, Conn.</i>	115 Linsley ave., Meriden
Crawford Fairbanks Failey	<i>Terre Haute, Ind.</i>	1 Hillhouse ave.
Burton Milton Fairbank	<i>Naugatuck, Conn.</i>	311 York st.
Henry Wright Farnham	<i>Rochester, N. Y.</i>	59 Wall st.
Louis Morton Faulkner	<i>Washington, Conn.</i>	352 Temple st.
William Silverthorne Faurot	<i>Riverside, Ill.</i>	133 College st.
Arthur Ferguson	<i>Evanston, Ill.</i>	1 Hillhouse ave.
Irving John Fletcher	<i>New Britain, Conn.</i>	139 Pendleton st.
William Floyd Jones	<i>New York City</i>	126 High st.
Roland Forsyth	<i>Buffalo, N. Y.</i>	111 Grove st.
Monroe Frankenberger	<i>New Haven, Conn.</i>	115 Canner st.
Rudolph Hills Garfield	<i>West Mentor, Ohio</i>	111 Grove st.
John Dugald Garrett	<i>Hartford, Conn.</i>	111 Grove st.

Costantide*Anthony Giordano	<i>New Haven, Conn.</i>	88 Wooster st.
Edward Morris Gould	<i>Hartford, Conn.</i>	67 Grove st.
Alfred Watts Grant	<i>Summit, N. Y.</i>	156 Grove st.
David Greenspun	<i>Bridgeport, Conn.</i>	76 Wall st.
William Ernest Griess	<i>Cincinnati, Ohio</i>	370 Temple st.
Roger Wolcott Griswold	<i>Erie, Pa.</i>	96 Wall st.
Glen Robert Hall	<i>Scarsdale, N. Y.</i>	96 Wall st.
Ralph Desalus Anthony Hannan	<i>West Haven, Conn.</i>	
	534 1st ave., West Haven	
James Gerald Hannon	<i>New Britain, Conn.</i>	137 Mansfield st.
William Pickett Harris, Jr.	<i>Detroit, Mich.</i>	1 Hillhouse ave.
Newton Smith Hawkins	<i>Milford, Conn.</i>	45 Broad st., Milford
Peter Halleck Hayden	<i>Columbus, Ohio</i>	17 Hillhouse ave.
Douglas Parry Head	<i>Minneapolis, Minn.</i>	70 Trumbull st.
Raymond Earle Hegel	<i>New Haven, Conn.</i>	B.M.H.
Robert Price Henderson	<i>Little Rock, Ark.</i>	96 Wall st.
George Russell Hill	<i>Schenectady, N. Y.</i>	148 Grove st.
Robert Hilton	<i>New York City</i>	17 Hillhouse ave.
Francis Nathaniel Hinchey	<i>Rutland, Vt.</i>	104½ High st.
Ralph John Hines	<i>Evanston, Ill.</i>	17 Hillhouse ave.
Herbert Hirsche	<i>New York City</i>	370 Temple st.
Carleton Louis Hoadley	<i>New Haven, Conn.</i>	360 Temple st.
William Harold Hoffman	<i>Barrington, R. I.</i>	111 Grove st.
Roland Mather Hooker	<i>Hartford, Conn.</i>	360 Temple st.
Arthur Reeve Hoover	<i>Washington, D. C.</i>	1 Hillhouse ave.
Donald Swift Hopkins	<i>Lock Haven, Pa.</i>	96 Wall st.
George Willard Horne	<i>Titusville, Pa.</i>	17 Hillhouse ave.
Kasson Howe	<i>New York City</i>	124 Prospect st.
Kimbark Jeffrey Howell	<i>New London, Conn.</i>	70 Trumbull st.
Richard DeLano Hudson	<i>Brooklyn, N. Y.</i>	124 Prospect st.
Andrew Paton Hume	<i>New Haven, Conn.</i>	21 Wall st.
John Edward Hussey	<i>St. Louis, Mo.</i>	126 High st.
Ralph McAllister Ingersoll	<i>New York City</i>	360 Temple st.
Samuel Insull, Jr.	<i>Chicago, Ill.</i>	111 Grove st.
Arthur Stanley Jackson, Jr.	<i>Chicago, Ill.</i>	133 College st.
Francis Bacon James, Jr.	<i>Washington, D. C.</i>	96 Wall st.
Thomas Haskins Joyce	<i>Washington, D. C.</i>	133 College st.
Bernard Kamerman	<i>Liberty, N. Y.</i>	84 Wall st.
Leon Frederick Kaufman	<i>New York City</i>	135 Wall st.
Roger Kaufman	<i>New York City</i>	150 Grove st.
Edward Beverly Kelley	<i>Washington, D. C.</i>	133 College st.
Frank Benedict Kelley	<i>New Canaan, Conn.</i>	17 Hillhouse ave.
John Payne Kellogg	<i>Watertown, N. Y.</i>	133 College st.
George Sherwood Kendrick	<i>Cleveland, Ohio</i>	370 Temple st.
John Burgis Kirby, Jr.	<i>New Haven, Conn.</i>	96 Wall st.
John Delmont Kling	<i>Lakewood, Ohio</i>	124 Prospect st.
William Jacob Krailing	<i>East Haven, Conn.</i>	
	494 Thompson ave., East Haven	
Frank Remmel Landmesser	<i>Wyomissing, Pa.</i>	148 Grove st.

Ross Art Lasley	Edgewater, Colo.	70 Trumbull st.
Robert Goodhue Lay	Kalamazoo, Mich.	1 Hillhouse ave.
Charles Stewart Lee, Jr.	Wilmington, Del.	352 Temple st.
Edward Burton Lehman	New Haven, Conn.	38 Gill st.
John Ronald Leslie	New York City	156 Grove st.
Edward Buckley Lewis, Jr.	New York City	96 Wall st.
Robert Frazier Lewis	Hartford, Conn.	111 Grove st.
Yancey Lewis	Dallas, Texas	250 Crown st.
Alden Abraham Lincoln	Middletown, Conn.	352 Temple st.
George Christie Lowe	Beardstown, Ill.	hw.a.
Henry Mather Lowman	Cleveland, Ohio	104½ High st.
Richard Adamson Lumpkin	Mattoon, Ill.	1 Hillhouse ave.
Raymond John Lynch	Bristol, Conn.	114 College st.
Joseph Austin McAleenan, Jr.	New York City	1 Hillhouse ave.
Kenneth McAleenan	New York City	17 Hillhouse ave.
Kenneth Donald MacColl	Providence, R. I.	111 Grove st.
Howard Brenton MacDonald	Yonkers, N. Y.	124 Prospect st.
Edward Shelton MacKendrick	New Haven, Conn.	126 High st.
Harrison McMichael	Philadelphia, Pa.	133 College st.
Edmund Hewitt MacPherson	Bridgeton, N. J.	124 Prospect st.
Horace Teele Manning	Hartford, Conn.	96 Wall st.
Harry Walter Markowitz	Wallingford, Conn.	53 Ward st., Wallingford
Gordon Preston Marshall	Newtonville, Mass.	111 Grove st.
Howard Walker Marshall	Newtonville, Mass.	111 Grove st.
William Bartlett Marshall	Allston, Mass.	111 Grove st.
Elmer Lauer Mather, Jr.	Akron, Ohio	126 High st.
Keith Langdon Maurer, B.S.	New Haven, Conn.	148 Cold Spring st.
Amherst College 1917		
Kenneth Ripley Mead	Greenwich, Conn.	73 Whitney ave.
Richard Hayes Meagher	Chicago, Ill.	126 High st.
Graham Tyler Mehaffey	Brookline, Mass.	124 Prospect st.
Vincent Francis Mendillo	New Haven, Conn.	48 Wooster st.
John Carl Merker	Milwaukee, Wis.	96 Wall st.
Lester Minot Midas	New Haven, Conn.	126 High st.
Gustave Miller	West Haven, Conn.	337 Main st., West Haven
Nathan Miller	New Haven, Conn.	919 Grand ave.
Frederick Dorsey Montgomery, Jr.	Hubbard Woods, Ill.	17 Hillhouse ave.
Aaron Moore	New Haven, Conn.	736 Orange st.
Theron Langford Moore	Ann Arbor, Mich.	1 Hillhouse ave.
Robert Beverley Morgan	Cooperstown, N. Y.	119 College st.
James Whitson Moss	Glendale, Ohio	119 College st.
Raymond Bowen Munger	Waterbury, Conn.	1 Hillhouse ave.
Elwood Thomas Nettleton	New Haven, Conn.	29 Huntington st.
Raymond Wilbur Newberry	Staten Island, N. Y.	82 Wall st.
Phillip Newman	New Haven, Conn.	264 Portsea st.
Duane Hyde Newton	Hartford, Conn.	111 Grove st.
Thomas Brennan Nolan	New Haven, Conn.	360 Temple st.

Lester George Nufer
 Edward Francis O'Brien
 Paul Cavanagh O'Brien
 Joyce Fletcher Oliver
 Laurent Oppenheim, Jr.
 Edward Charles Orr
 Nathan Green Osborne
 Henry Vinton Overholt
 Frederick Austin Parsons, Jr.
 Morris Leonard Pastroff
 William Synyard Patterson
 Elisha Whitehead Paxton
 John Brown Payson
 Edward William Perry

Albert Morton Persoff
 James Stewart Peters
 Arthur Jennings Peterson
 Joseph Petrelli
 Horace Ferguson Phelps
 Donald Amos Phipps
 James Albert Pirnie
 Silik Herman Polayes
 Aaron Pomeranz
 Harold Hay Powell
 Thurlow Merrill Prentice
 Arthur Otto Price
 James Mortimer Price
 Samuel Frazier Pryor, Jr.
 Albert Puester
 Solly Rabinowitz
 David Michael Raskind
 Samuel Reback
 Nathaniel Robert Richardson
 Edward Everett Robbins, Jr.
 Richard Austin Robertson, 3d
 William Dean Robinson
 Hyman Nathan Roth
 Dunn Hamilton Row
 Eli Hyman Rubin
 Samuel Ruge

William Henry Ryan
 Felix C. Saltzstein
 Earle Wheaton Sargent
 George Louis Saunders
 Abraham Maurice Schaefer
 Raymond Marshall Schlick
 Harry Arbogast Schlosser

Petersburg, Va. 124 Prospect st.
Red Bank, N. Y. 1 Hillhouse ave.
South Norwalk, Conn. 124 Prospect st.
Cleveland, Ohio 370 Temple st.
New York City 352 Temple st.
Cincinnati, Ohio 111 Grove st.
Evanston, Ill. 17 Hillhouse ave.
Scottdale, Pa. 96 Wall st.
Bridgeport, Conn. 8 Prospect pl.
New Haven, Conn. 845 Congress ave.
Orange, Conn. 310 York st.
Washington, Pa. 111 Grove st.
Portland, Maine 17 Hillhouse ave.
Westville, Conn.

29 Florence st., Westville
New Haven, Conn. 42 Ellsworth ave.
New Haven, Conn. 84 Wall st.
New Haven, Conn. 48 Gill st.
New Haven, Conn. 263 St. John st.
Denver, Colo. 370 Temple st.
Oyster Bay, L. I.; N. Y. 96 Wall st.
Brooklyn, N. Y. 123 Wall st.
New Haven, Conn. 69 Arch st.
Hartford, Conn. 67 Grove st.
Chicago, Ill. 124 Prospect st.
Hartford, Conn. 119 College st.
New York City 1 W. H.
St. Louis, Mo. 1 Hillhouse ave.
Greenwich, Conn. 111 Grove st.
New Haven, Conn. 106 Marlboro st.
New Haven, Conn. 598 Grand ave.
Bridgeport, Conn. 40 Lake pl.
New Haven, Conn. 142 Minor st.
Conneaut, Ohio 1 Hillhouse ave.
Greensburg, Pa. 370 Temple st.
Scranton, Pa. 96 Wall st.
Detroit, Mich. 1 Hillhouse ave.
New Haven, Conn. 32 Gilbert st.
Indianapolis, Ind. 1 Hillhouse ave.
New Haven, Conn. 37 Eaton st.
New Haven, Conn.

139 Washington ave.
Montclair, N. Y. 148 Grove st.
Milwaukee, Wis. 135 Wall st.
Barrington, R. I. 119 College st.
West Hartford, Conn. 333 York st.
New Britain, Conn. 123 Wall st.
St. Paul, Minn. 352 Temple st.
Woonsocket, R. I. 86 Wall st.

Norman Louis Schmidt	Hartford, Conn.	352 Temple st.
Louis Seth Schnitman	New Haven, Conn.	1361 Chapel st.
Lauren Earl Seeley	Deep River, Conn.	148 Grove st.
William Bakewell Shaffer	Cincinnati, Ohio	133 College st.
Francis Leo Shay	New Haven, Conn.	32 Whittlesey ave.
Albert William Sheppard	New Haven, Conn.	96 Wall st.
Rufus Bennett Short	Bethel, Conn.	119 College st.
Ernest Baer Smith	Middletown, Conn.	112 College st.
James Alexander Smith, Jr.	Chambersburg, Pa.	111 Grove st.
Norman Nathaniel Smith	New Haven, Conn.	17 Daggett st.
Samuel Archibald Smith, Jr.	Locust Valley, N. Y.	148 Grove st.
Sydney Andrew Smith	New York City	126 High st.
Jacob Soifer	Hartford, Conn.	1188 T.
Ralph Nunamaker Sourbeck	Cleveland, Ohio	1 Hillhouse ave.
Anthony Sperandeo	New Haven, Conn.	83 Chestnut st.
Harold Paul Splain	New Haven, Conn.	20 Lake pl.
Montford Swann Steele	New York City	1 Hillhouse ave.
Frank Elwood Stiles	West Haven, Conn.	310 York st.
Lester Charles Stone	Milwaukee, Wis.	148 Grove st.
Medford Wyle Stone	Milwaukee, Wis.	148 Grove st.
Charles Archibald Stonehill, Jr.	Glencoe, Ill.	104½ High st.
Leslie Emery Strobel	Herkimer, N. Y.	370 Temple st.
Jack Sweedler	New Haven, Conn.	607 Elm st.
Thomas Randolph Symington	Baltimore, Md.	133 College st.
Francis Taylor	Mt. Kisco, N. Y.	133 College st.
William Beck Taylor	Toledo, Ohio	HW.A.
Max Harold Teitelman	New Haven, Conn.	27 Baldwin st.
Edward Thalheimer	New Haven, Conn.	801 Orange st.
Mason Leo Thompson	Kansas City, Mo.	111 Grove st.
Samuel Trinin	New York City	Hotel Avon
Paul Edwin Trouche, Jr.	Charleston, S. C.	133 College st.
Stiles Beecher Twitchell	New Haven, Conn.	148 Grove st.
Joseph Colville Vance, 2d	Pittsfield, Mass.	370 Temple st.
Edward Van Evera	Marquette, Mich.	352 Temple st.
Francis Salmon Wakeman	Saugatuck, Conn.	126 High st.
Joseph Robinson Walker, Jr.	Salt Lake City, Utah	1 Hillhouse ave.
Newell Raymond Washburn	Susquebanna, Pa.	121 Wall st.
Charles Ansel Watrous	New Haven, Conn.	261 Bradley st.
Frederick Henry Webb	Cleveland, Ohio	1 Hillhouse ave.
Robert Frederic Wedberg	Bridgeport, Conn.	352 Temple st.
Israel Weinraub	East Lyme, Conn.	1158 T.
Arvin Jesse Welch	Short Beach, Conn.	133 College st.
John Weldon, Jr.	Willimantic, Conn.	70 College st.
John Wettstein	Mt. Vernon, N. Y.	126 High st.
John Walker Wheeler, Jr.	Bridgeport, Conn.	370 Temple st.
Charles Barney Whittlesey, Jr.	Hartford, Conn.	96 Wall st.
Ralph Gazell Wieland	Cleveland, Ohio	360 Temple st.
Edward Reel Williams	Sharon, Pa.	119 College st.
Richard Irving Williams	Waterbury, Conn.	119 College st.

Charles Williams Schragé Wilson, Jr.	<i>New Rochelle, N. Y.</i>	352 Temple st.
Laurence Witz	<i>New Haven, Conn.</i>	517 Orange st.
Maxwell Jehiel Wolff	<i>New Haven, Conn.</i>	1188 T.
Edward Christopher Wood	<i>Derby, Conn.</i>	187 Derby ave., Derby
James Donald Ivar Wood	<i>Wayne, Pa.</i>	119 College st.
John Thompson Woodhouse, Jr.	<i>Grosse Point Farms, Mich.</i>	96 Wall st.
James Lewis Woodruff	<i>Bristol, Conn.</i>	73 Whitney ave.
Robert Edwin Woods	<i>St. Louis, Mo.</i>	104½ High st.
Edward Bubier Wulbern	<i>Charleston, S. C.</i>	59 Wall st.
Barney Hamlin York	<i>Cleveland, Ohio</i>	90 Wall st.
Reginald Robert Zisette	<i>Paterson, N. J.</i>	370 Temple st.
		TOTAL, 291

CLASS OF 1922

Harry Whitford Alexander	<i>Manhattan, Kans.</i>	148 Grove st.
James Minott Augur	<i>Branford, Conn.</i>	Branford
Bromwell Ault	<i>Wyoming, Ohio</i>	111 Grove st.
Stanton Sherman Bailey	<i>Milford, Conn.</i>	7 Rogers ave., Milford
Caldwell Baker	<i>Springfield, Mass.</i>	17 Hillhouse ave.
Harris Walton Baker, Jr.	<i>Springfield, Mass.</i>	352 Temple st.
Rufus Calvin Barkley	<i>Charleston, S. C.</i>	124 Prospect st.
Walter Verne Beaney	<i>New Haven, Conn.</i>	854 Dixwell ave.
Herman Harry Bogin	<i>Bridgeport, Conn.</i>	635 Housatonic ave., Bridgeport
Malcolm Joseph Boyle	<i>Chicago, Ill.</i>	124 Prospect st.
William Keefer Brewster	<i>Shelton, Conn.</i>	352 Temple st.
Robert Anthony Briggs	<i>Hartford, Conn.</i>	352 Temple st.
Roger Chipman Brown	<i>Central Village, Conn.</i>	352 Temple st.
Vladimir I. Caprin	<i>Moscow, Russia</i>	642 Elm st.
University of Paris Certificate 1912		
Edward Leo Carey	<i>Bridgeport, Conn.</i>	136 Pequonnock st., Bridgeport
Reginald Lord Cary	<i>New York City</i>	133 College st.
Robert Mayo Catlin, Jr.	<i>Franklin, N. J.</i>	111 Grove st.
Alexander Scott Chamberlain	<i>Sewickley, Pa.</i>	124 Prospect st.
Rutgers Louis Clarkson	<i>Passaic, N. J.</i>	152 Grove st.
James William Clise, Jr.	<i>Seattle, Wash.</i>	148 Grove st.
William Hardie Coke	<i>Dallas, Texas</i>	111 Grove st.
Albert Mosher Cooke	<i>Meriden, Conn.</i>	8 Prospect pl.
Angelo Michael Cristiano	<i>New Haven, Conn.</i>	175 Chestnut st.
Gregory Francis Curtin	<i>Chester, Mass.</i>	311 York st.
Herman Davidson	<i>New Haven, Conn.</i>	130 Sylvan ave.
Elliott DeForest	<i>Minneapolis, Minn.</i>	148 Grove st.
David Dibbell	<i>New Haven, Conn.</i>	124 Brownell st.
Emile Francis duPont	<i>Philadelphia, Pa.</i>	84 Wall st.
George Corson Ellis	<i>Hartford, Conn.</i>	111 Grove st.
Arthur Farwell	<i>Chicago, Ill.</i>	111 Grove st.
Norris Barrymore Gaddess	<i>Washington, D. C.</i>	17 Hillhouse ave.
Wentworth Flagler Gantt	<i>Springfield, Mass.</i>	70 Trumbull st.

Walter Lorentz Gardner
 Kenneth Ellsworth Greene
 Labib Baz Haddad, B.A.
 Syrian Protestant College 1916
 Favah Hanna Halabi, B.A.
 Syrian Protestant College 1914
 Clinton DeWitt Hanover, Jr.
 Edward Allen Hendrick
 Whitney Bodman Hobbs
 John Dodge Hough
 John Howard Houston

William Kidwell Hutson, Jr.
 Joseph Harold Dupuis Hyde
 George Winthrop Jackman
 Charles August Knapp
 Frank Yale Kreimendahl
 Herbert Frederick Leisy
 David Lincoln Luke, Jr.
 Victor Stirling Luke
 Edward Keating McTernan
 Gordon Mears Markle
 Warren Sadler Moore
 Joseph Peter Moran
 David Moscovitz
 Julius Eugene Muhlfelder
 Stanley Joseph Murphy
 Clifford Moulton Myers
 George Merrill Nye
 Willis Williams Osborne
 Maurice Glicksman Phillips
 William Allan Pinkerton Pullman
 Jacob Samuel Rashba
 Horace Hovey Raymond
 Richard Peyton Richards
 Harold Harmond Richardson
 Andrew Lawrence Riker, Jr.
 John Cobb Roberts
 William Stuart Rodie, Jr.
 Peter Boyd Rutherford
 Gino John Adolph Santella
 William Wallace Scoville
 Ira Sutherland Shattuck
 Irving Ewing Slown

Leslie Hamilton Stoner
 Francis Henry Stunkel
 Philip West Thompson
 Walter Peck Walbridge

Wettersfield, Conn. 311 York st.
 New London, Conn. 1161 T.
 Jerusalem, Palestine 22, 128 High st.

Jerusalem, Palestine 22, 128 High st.

Groton, Conn. HW.A.
 Springfield, Mass. 70 Trumbull st.
 Riverside, Ill. 152 Grove st.
 Chicago, Ill. 78 Wall st.
 East Haven, Conn.

96 Forbes pl., East Haven
 Brooklyn, N. Y. 70 Trumbull st.
 Derby, Conn. 268 Olivia st., Derby
 Bridgeport, Conn. 82 Wall st.
 New Haven, Conn. 172 Livingston st.
 Hartford, Conn. 148 Gilbert ave.
 Cleveland, Ohio 96 Wall st.
 Tarrytown, N. Y. 1 Hillhouse ave.
 Tarrytown, N. Y. 1 Hillhouse ave.
 Brooklyn, N. Y. 82 Wall st.
 New Haven, Conn. 317 Whalley ave.
 Duluth, Minn. 1 Hillhouse ave.
 New Haven, Conn. 162 Plymouth st.
 New Haven, Conn. 5 Frank st.
 New Haven, Conn. 126 High st.
 Coboes, N. Y. 159 York st.
 New Haven, Conn. 652 Winthrop ave.
 Denver, Colo. 119 College st.
 Minneapolis, Minn. 128 Grove st.
 Milwaukee, Wis. 135 Wall st.
 Chicago, Ill. 96 Wall st.
 New Haven, Conn. 190 Poplar st.
 New York City 67 Grove st.
 Havre de Grace, Md. 150 Grove st.
 Bridgeport, Conn. 360 Temple st.
 Fairfield, Conn. 96 Wall st.
 Stamford, Conn. 119 Grove st.
 South Orange, N. J. 111 Grove st.
 Bethlehem, Pa. 124 Prospect st.
 New Haven, Conn. 132 Columbus ave.
 Hartford, Conn. 96 Wall st.
 Minneapolis, Minn. 148 Grove st.
 Billings, Mont.

Orange ave., West Haven
 New Haven, Conn. 70 Trumbull st.
 Seymour, Ind. 8 Prospect pl.
 Denver, Colo. 17 Hillhouse ave.
 Springfield, Mass. 17 Hillhouse ave.

Stillman Everett White	<i>Thomaston, Conn.</i>	123 Wall st.
Frank Owen Heywood Williams	<i>New Haven, Conn.</i>	754 Dixwell ave.
Norman Ferdinand Williams	<i>Brooklyn, N. Y.</i>	370 Temple st.
Daniel Slotte Wood, Jr.	<i>Huntington, L. I., N. Y.</i>	352 Temple st.
Raymond William Young	<i>St. Joseph, Mo.</i>	360 Temple st.
Edwin Raymond Zeitz	<i>Brooklyn, N. Y.</i>	258 Winthrop ave.

Rated with lower class because of scholarship deficiencies

Archer Burnham Hamilton	<i>Hartford, Conn.</i>	152 Grove st.
Joseph Gaston McMahon	<i>Briarcliffe Manor, N. Y.</i>	126 High st.
Elwain Fabian Moore, Jr.	<i>St. Cloud, Minn.</i>	124 Prospect st.
Raymond Staats Powelson	<i>East Orange, N. J.</i>	152 Grove st.
Jean Reginald Stebbins	<i>Watertown, N. Y.</i>	96 Wall st.
Robert Sperry Treat	<i>New Haven, Conn.</i>	96 Ellsworth ave.
Wing You Wong	<i>New Haven, Conn.</i>	156 Grove st.
		TOTAL, 90

CLASS OF 1923

Burnham Adams	<i>St. Paul, Minn.</i>	124 Prospect st.
Thornton Shaw Adams	<i>Chicago, Ill.</i>	370 Temple st.
Louis Adelman	<i>New Haven, Conn.</i>	726 Howard ave.
Russell Bennett Allen	<i>New Haven, Conn.</i>	98 Shelton ave.
Stanley Joseph Alling	<i>Cambridge, Mass.</i>	1112 Chapel st.
Curtis Hunt Alvord	<i>Winsted, Conn.</i>	119 College st.
Francis Fisher Ames	<i>Montclair, N. J.</i>	38 High st.
Rufus Adams Andrews	<i>Rocky Hill, Conn.</i>	156 Grove st.
Glenn Castle Athey	<i>East Chattanooga, Tenn.</i>	8 Prospect pl.
Keyes Winter Atkins	<i>Indianapolis, Ind.</i>	1 Hillhouse ave.
George Reily Bailey	<i>Harrisburg, Pa.</i>	133 College st.
George Stewart Baird	<i>Chicago, Ill.</i>	119 College st.
Charles Philip Baither	<i>Toledo, Ohio</i>	111 Grove st.
Henry Hudson Baker	<i>Dunkirk, N. Y.</i>	152 Grove st.
Rowland Higby Bannister	<i>Meriden, Conn.</i>	352 Temple st.
Richard Carroll Bannoh	<i>Waterbury, Conn.</i>	26 Elm st.
Cornelius Gordon Schuyler Banta	<i>New Haven, Conn.</i>	217 Alden ave.
George Michael Barbari	<i>New Haven, Conn.</i>	25 Ann st.
Reginald Napier Barnard	<i>Cincinnati, Ohio</i>	111 Grove st.
George Merrifield Barnes	<i>Cleveland, Ohio</i>	17 Hillhouse ave.
Stanley Gruenard Barnett	<i>Denver, Colo.</i>	82 Wall st.
Walter Samuel Baxt	<i>New Haven, Conn.</i>	634 Winchester ave.
Archibald Marshall Bell, Jr.	<i>Pittsburgh, Pa.</i>	133 College st.
Alfred Austin Beltz, Jr.	<i>Minneapolis, Minn.</i>	96 Wall st.
Allison Bishopric, Jr.	<i>Cincinnati, Ohio</i>	133 College st.
Maxwell Bogin	<i>Bridgeport, Conn.</i>	635 Housatonic ave., Bridgeport
Kenneth Boxley Bolton	<i>Troy, N. Y.</i>	111 Grove st.
Robert Pennell Bradford	<i>Edge Moor, Del.</i>	96 Wall st.

Walter Breslav
 Morgan Horsfall Brewster
 James Pitts Bridge
 George Morse Brimicombe
 John Henry Brinckerhoff
 George Cameron Brock
 Earle Alfred Brown
 David Tod Bulkley
 Donald Albert Burdett
 Francis Augustine Burke
 Albert Calvin Burnham, 2d
 William Joseph Canty
 Henry Caplan
 Arthur Powell Cary
 Charles Wayne Chase
 Kuan-Tsen Chiang
 Fayette Dudley Chittenden
 Frederick Hamilton Claridge
 Franklin Proctor Clark
 John Bernard Clark
 Robert Stuart Clark
 Frank Delmas Clarke
 James Philip Clifford
 Frank van Diest Collins
 Walter Thomas Collins
 Charles Hill Conklin
 Thomas Francis Cosgrove
 Thomas Cottiero
 George Pierce Cowles
 Robert Patterson Crawford
 Joel Elmer Crouch, B.S.
 Illinois College 1920
 Frank Darling Cumming
 Simon Wolverton Cumming
 Eli Nichols Cutler

Alexander Smith Dalton
 Carl Jacob Darmstaetter
 Ernest Linwood Davis, Jr.
 Howard Chesebrough Davison
 Edwin Storrs Dewing
 Francis Richard Dole
 Philip Chester Doran
 Bernard Francis Dorgan
 Orville James Dryhurst
 Arnold Stuart Durrant, Jr.
 Edmund Albert Eckart
 Worth English
 Thomas Raymond Evans, 2d

Hartford, Conn. 84 Wall st.
 Hartford, Conn. 352 Temple st.
 San Antonio, Texas 84 Wall st.
 Cleveland, Ohio 124 Prospect st.
 Jamaica, N. Y. 119 College st.
 Kenilworth, Ill. 156 Grove st.
 New Haven, Conn. 110 Pendleton st.
 New York City 84 Wall st.
 Great Neck, N. Y. 119 College st.
 Thompsonville, Conn. 411 Temple st.
 Champaign, Ill. 17 Hillhouse ave.
 New Haven, Conn. 529 Winchester ave.
 New Haven, Conn. 24 Vernon st.
 Santa Barbara, Calif. 133 College st.
 Cleveland, Ohio 17 Hillhouse ave.
 New Haven, Conn. 333 York st.
 New Haven, Conn. 154 Grafton st.
 New Haven, Conn. 195 Ivy st.
 Milford, Conn. 310 York st.
 New Haven, Conn. 337 Humphrey st.
 Westerly, R. I. 111 Grove st.
 New Orleans, La. 17 Hillhouse ave.
 West Medford, Mass. 111 Grove st.
 Port Chester, N. Y. 1207 T.
 Brooklyn, N. Y. 124 Prospect st.
 Hackensack, N. J. 17 Hillhouse ave.
 Peekskill, N. Y. 370 Temple st.
 New Haven, Conn. 63 Warren st.
 Ansonia, Conn. 119 College st.
 Erie, Pa. 126 High st.
 Stamford, Conn. 84 Wall st.

Hampton, Va. 119 College st.
 Pottsville, Pa. 17 Hillhouse ave.
 Atlantic Highlands, N. J. 133 College st.
 New York City 370 Temple st.
 Detroit, Mich. 17 Hillhouse ave.
 Winchester, Mass. 111 Grove st.
 Millbrook, N. Y. 133 College st.
 Hartford, Conn. 111 Grove st.
 Brooklyn, N. Y. 96 Wall st.
 Meriden, Conn. 17 North ave., Meriden
 New Haven, Conn. 206 Lombard st.
 Meriden, Conn. 4 Sheffield ave.
 New York City 352 Temple st.
 New Rochelle, N. Y. 17 Hillhouse ave.
 New Haven, Conn. 17 Hillhouse ave.
 Pittsburgh, Pa. 111 Grove st.

James Augustine Farrell, Jr.
 Irving Bruce Ferguson, Jr.
 John Albert Ferguson, Jr.
 William Harvey Ferry, Jr.
 Kendall Henry Field
 Robert Finney
 Hubert Waldemere Fischer
 Franklin Addison Flanders
 Florian Joseph Fox
 Frederick Franklin
 Horace Eugene Fredericks
 Frank Vincent Frencik

Antonio Manuel Fresneda
 Floyd Charles Furlow, Jr.
 Seymour Gans
 Wallace Graydon Garland
 Lumbey Michael Garziano
 John Marvin Gates
 David Erwin Gibson, Jr.
 William Gitlitz
 Franklin Wright Gledhill
 John Carter Glenn
 Herman Harold Goldstein
 William MacWhinney Gorby
 Harold Joseph Granger
 Lewis Stone Greenleaf, Jr.
 Elwood Ash Grissinger
 Walter Brewster Griswold
 Frederic Rodrigo Gruger, Jr.
 Arthur Fletcher Hall, Jr.
 Stanley Hart
 David Newport Hartshorn
 Richard Marsden Haskell
 Sidney Harmon Haysler
 Herbert Thacker Herr, Jr.
 Joseph Stromier Herr
 Hamilton Hersey
 Edward Seymour Hidden
 Morris Hinenburg

Henry Kerr Hislop
 Robert Dwight Holbrook
 Richard Vincent Horigan
 George Washington Houk
 John Talbott Houk
 Gwynn Way Hoyt
 John Lynch Hubbell, Jr.
 Laurence Lankler Hurd

South Norwalk, Conn. 111 Grove st.
Pelham, N. Y. 139 High st.
Denver, Colo. 119 College st.
New York City 17 Hillhouse ave.
Medicine Lodge, Kans. 119 College st.
Summit, N. J. 96 Wall st.
Hartford, Conn. 370 Temple st.
Winchester, Mass. 111 Grove st.
New Haven, Conn. 258 Nicoll st.
New York City 139 High st.
Lock Haven, Pa. 96 Wall st.
Bridgeport, Conn.
 250 Brooks st., Bridgeport
Camagiey, Cuba 148 Grove st.
New York City 387 Temple st.
Hartford, Conn. 84 Wall st.
Pittsburgh, Pa. 124 Prospect st.
New Haven, Conn. 21 Baldwin st.
Clinton, Iowa 82 Wall st.
Cañon City, Colo. 17 Hillhouse ave.
New Haven, Conn. 564 George st.
Kansas City, Mo. 133 College st.
Hingham, Mass. 84 Wall st.
New Haven, Conn. 26 Ann st.
Terre Haute, Ind. 119 College st.
New Haven, Conn. 25 Woodland st.
Loudonville, N. Y. 119 College st.
Buffalo, N. Y. 82 Wall st.
New Haven, Conn. 111 Grove st.
New York City 139 High st.
Fort Wayne, Ind. 84 Wall st.
New Britain, Conn. 17 Hillhouse ave.
Youngstown, Ohio 370 Temple st.
New York City 82 Wall st.
Clinton, Mo. 370 Temple st.
Merion, Pa. 17 Hillhouse ave.
Waterbury, Conn. 82 Wall st.
St. Paul, Minn. 1 Hillhouse ave.
New York City 370 Temple st.
New Haven, Conn.
 729 Washington ave.
New Haven, Conn. 61 Carmel st.
Hartford, Conn. 370 Temple st.
Norwich, Conn. 232 r.
Dayton, Ohio 1 Hillhouse ave.
Dayton, Ohio 1 Hillhouse ave.
Syracuse, N. Y. 133 College st.
Derby, Conn. 150 Grove st.
Buffalo, N. Y. 124 Prospect st.

Paul Mason Hutchinson	<i>Fairmont, W. Va.</i>	1 Hillhouse ave.
Bruce Porter Hyde	<i>West Haven, Conn.</i>	
	366 Union ave., West Haven	
Lester Belding Inglis	<i>Bridgeport, Conn.</i>	150 Grove st.
Albert Norman Into	<i>Bristol, R. I.</i>	1 Hillhouse ave.
Ralph Chester Jahnnie	<i>New Haven, Conn.</i>	126 Hobart st.
Clinton Peck Jessup	<i>Norwalk, Conn.</i>	76 Wall st.
Kelsey Hall Jewett	<i>Buffalo, N. Y.</i>	119 College st.
Edward Wainwright Johnston	<i>New Haven, Conn.</i>	119 College st.
Thomas Eugene Jones	<i>Excelsio, Ohio</i>	133 College st.
Henry Keil	<i>Glenbrook, Conn.</i>	152 Grove st.
George Clement Kellogg	<i>Jamaica, N. Y.</i>	82 Wall st.
Hosford Dudley Kellogg, Jr.	<i>Haverford, Pa.</i>	8 Prospect pl.
Leon Harlan Kibbe	<i>New Haven, Conn.</i>	165 Plymouth st.
Raleigh Thomas Knapp	<i>Baltimore, Md.</i>	133 College st.
Harold Pierce Kneen	<i>Sbelton, Conn.</i>	124 Prospect st.
Joseph Koletsky	<i>New Haven, Conn.</i>	843 Howard ave.
Manuel Eduard Kugel	<i>New Haven, Conn.</i>	77 Orchard st.
Joseph Edward Lally	<i>New Haven, Conn.</i>	136 Sheffield ave.
Chauncey Conrad Lane	<i>New Haven, Conn.</i>	111 Grove st.
Rembrandt Peale Lane	<i>Sayre, Pa.</i>	124 Prospect st.
Edward Oliver Lanphier	<i>Springfield, Ill.</i>	84 Wall st.
Henry Stewart LeBlanc	<i>New Orleans, La.</i>	133 College st.
Norman Leeds, Jr.	<i>Bridgeport, Conn.</i>	119 College st.
Nathan Levy	<i>New Haven, Conn.</i>	32 Gold st.
Harry Gustave Lindwall	<i>New Haven, Conn.</i>	302 Temple st.
Louis Francis Lumaghi, Jr.	<i>St. Louis, Mo.</i>	82 Wall st.
William Heath Lyon	<i>New York City</i>	96 Wall st.
James Alexander McCrea, Jr.	<i>Woodmere, L. I., N. Y.</i>	133 College st.
Maxwell McCreery	<i>Pittsburg, Pa.</i>	17 Hillhouse ave.
Theodore Tremain McCrosky	<i>New York City</i>	141 High st.
John Joseph McDermott	<i>Allentown, Pa.</i>	161 Mansfield st.
Raymond McKaig	<i>Buffalo, N. Y.</i>	70 Trumbull st.
John Gilman MacKenty	<i>New York City</i>	70 Trumbull st.
Henry Madero	<i>Parras Coab, Mexico</i>	111 Grove st.
Harry Dennis Malloy	<i>Meriden, Conn.</i>	12 Prospect pl.
Jerome Bonaparte Maltby	<i>Corning, N. Y.</i>	111 Grove st.
Albert Morley Marshall, Jr.	<i>Duluth, Minn.</i>	119 College st.
John Trumbull Marshall	<i>New York City</i>	82 Wall st.
Robert Chester Matz	<i>New Haven, Conn.</i>	77 Edwards st.
Drayton Alexander Mayers	<i>New York City</i>	370 Temple st.
William Douglas Meriwether	<i>Madison, Conn.</i>	1101 E.
William Henry Meyer	<i>Brooklyn, N. Y.</i>	119 College st.
George Feley Miller	<i>Hartland, Conn.</i>	150 Grove st.
Samuel Miller	<i>New Haven, Conn.</i>	432 Ferry st.
Herbert Morrison Mitchell	<i>Havana, Cuba</i>	17 Hillhouse ave.
Francis Godfrey Morehouse	<i>Port Chester, N. Y.</i>	151 Bradley st.
Donald Grant Morrow	<i>Norwood, Mass.</i>	82 Wall st.
Harold Mitchell Mowry	<i>Sterling, Conn.</i>	360 Temple st.
Ebert Bernhardt Mueller	<i>Decatur, Ill.</i>	17 Hillhouse ave.

Joseph Murphy	<i>New Haven, Conn.</i>	139 Putnam st.
Gustaf Reinhold Nordin	<i>West Haven, Conn.</i>	276 Prospect st.
Richard McAllister Orme	<i>New Orleans, La.</i>	133 College st.
Frederick Charles Orthwein, Jr.	<i>St. Louis, Mo.</i>	1 Hillhouse ave.
Richard Walter Orthwein	<i>St. Louis, Mo.</i>	1 Hillhouse ave.
William E. Otis	<i>Willoughby, Ohio</i>	133 College st.
Alexander Papp	<i>New Haven, Conn.</i>	379 Temple st.
Dan Parente	<i>New Haven, Conn.</i>	53 White st.
Charles Stewart Parker	<i>Meriden, Conn.</i>	352 Temple st.
Phillips Garner Pearson	<i>Derby, Conn.</i>	Derby
Nelson Chaffee Peck	<i>New York City</i>	360 Temple st.
Alaric Eli Persky	<i>New Haven, Conn.</i>	420 Temple st.
John Newton Pharr	<i>Olivier, La.</i>	17 Hillhouse ave.
Albert John Phillips	<i>New Haven, Conn.</i>	226 Lloyd st.
James Delany Platt, 2d	<i>Portland, Ore.</i>	17 Hillhouse ave.
Harry W. Rabinowitz	<i>Bridgeport, Conn.</i>	132 Highland ave., Bridgeport
Joseph Raccuja	<i>New Haven, Conn.</i>	158 Day st.
John Ramsey Radin	<i>Hartford, Conn.</i>	250 York st.
Robert Adam Ramsdell	<i>Buffalo, N. Y.</i>	133 College st.
Francis Harold Reichert	<i>New Haven, Conn.</i>	802 Howard ave.
Fergus Reid, Jr.	<i>Norfolk, Va.</i>	133 College st.
Ernest Dalton Richmond, Jr.	<i>Reading, Mass.</i>	370 Temple st.
Theodore Leaming Richmond, Jr.	<i>Buffalo, N. Y.</i>	119 College st.
Nathaniel Herman Rickles	<i>Marlboro, Mass.</i>	285 York st.
John Francis Riordan	<i>Ansonia, Conn.</i>	150 Grove st.
Leon Ambrose Robbins	<i>Cleveland, Ohio</i>	124 Prospect st.
Griswold Wolcott Roche	<i>Atlantic Highlands, N. J.</i>	310 York st.
Harold Hastings Rockwell, 2d	<i>Beloit, Wis.</i>	1 Hillhouse ave.
Wilford Lawrence Romney	<i>Naugatuck, Conn.</i>	370 Temple st.
Harrison William Rose	<i>Cleveland, Ohio</i>	84 Wall st.
Gilbert Irving Ross	<i>New Haven, Conn.</i>	212 Winthrop ave.
Henry Rousseau, Jr.	<i>Woonsocket, R. I.</i>	96 Wall st.
Irving Rozen	<i>New Haven, Conn.</i>	19 Vernon st.
Herman David Ruhm, Jr.	<i>New York City</i>	360 Temple st.
Elliott Seth Schatzkin	<i>New York City</i>	104½ High st.
William Charles Schlein	<i>New Haven, Conn.</i>	61 Daggett st.
Frank Wagner Schlesinger	<i>New Haven, Conn.</i>	HART
Alfred Caldwell Schroll	<i>Pittsburgh, Pa.</i>	17 Hillhouse ave.
William Schuette, Jr.	<i>New York City</i>	133 College st.
Edward Hyland Scovill	<i>Cleveland, Ohio</i>	133 College st.
Joseph Britton Selover	<i>Cleveland, Ohio</i>	17 Hillhouse ave.
William Wilbur Sheffield	<i>Greenlawn, L. I., N. Y.</i>	70 Trumbull st.
John Sherwin, Jr.	<i>Cleveland, Ohio</i>	133 College st.
Nathan Shubs	<i>New Haven, Conn.</i>	44 Hurlburt st.
Solomon Singer	<i>Hartford, Conn.</i>	285 York st.
Charles Kountze Skinner	<i>Bridgeport, Conn.</i>	111 Grove st.
Harris Sklaire	<i>New York City</i>	547 Washington ave.
Thomas Wallace Smith, Jr.	<i>Pittsburgh, Pa.</i>	17 Hillhouse ave.
George Edwin Spitzmiller	<i>Buffalo, N. Y.</i>	119 College st.

Richard Wooster Stevens	<i>Deep River, Conn.</i>	124 Prospect st.
Alpheus Beede Stickney, 2d	<i>St. Paul, Minn.</i>	84 Wall st.
Joseph Ganohl Stovall	<i>Savannah, Ga.</i>	17 Hillhouse ave.
Dewitt Bernicke Backus Stucke	<i>Brooklyn, N. Y.</i>	124 Prospect st.
Herbert William Sundius	<i>New Haven, Conn.</i>	43 Diamond st.
Benjamin Sweedler	<i>New Haven, Conn.</i>	607 Elm st.
Jess William Sweetser	<i>New York City</i>	133 College st.
Trevor Spottiswoode Tait	<i>Northvale, N. Y.</i>	111 Grove st.
Arthur Canning Taylor	<i>Greens Farms, Conn.</i>	124 Prospect st.
Edward Jesup Taylor	<i>New York City</i>	111 Grove st.
Philip Terrell	<i>Derby, Conn.</i>	119 College st.
Reuben Edward Thalberg	<i>New Haven, Conn.</i>	248 Orchard st.
John Fox Thomas	<i>New Haven, Conn.</i>	111 Grove st.
Parker Lewis Thompson	<i>Springfield, Mass.</i>	97 Livingston st.
Edward Remington Trowbridge, Jr.	<i>Providence, R. I.</i>	1 Hillhouse ave.
Fenton Benedict Turck, Jr.	<i>New York City</i>	119 College st.
Samuel Caskey Turner	<i>Detroit, Mich.</i>	119 College st.
Charles Lewis VanHaelen	<i>Scarsdale, N. Y.</i>	141 High st.
Norman Dahl Vea	<i>New Philadelphia, Ohio</i>	370 Temple st.
Melvin Neahr Veeder	<i>Winnetka, Ill.</i>	124 Prospect st.
August William Virden	<i>Sacramento, Calif.</i>	17 Hillhouse ave.
Warren Ogden Vredenburg	<i>Springfield, Ill.</i>	17 Hillhouse ave.
Aldace Treat Walker	<i>Hinsdale, Ill.</i>	119 College st.
Carl Lavern Walker	<i>New Haven, Conn.</i>	516 Winthrop ave.
George Kenneth Warfield	<i>New Haven, Conn.</i>	373 Crown st.
George Suydam Watrous	<i>East River, Conn.</i>	70 Trumbull st.
Gurden Welles Wattles	<i>Buffalo, N. Y.</i>	119 College st.
Wade Richard Weaver	<i>Cleveland, Ohio</i>	124 Prospect st.
George Frederick Weber	<i>Brooklyn, N. Y.</i>	352 Temple st.
George Watson Webster	<i>New Haven, Conn.</i>	575 Whalley ave.
Victor Hugo Weil	<i>Detroit, Mich.</i>	135 Wall st.
Isadore Edward Weinstein	<i>New Haven, Conn.</i>	510 Howard ave.
James Weissman	<i>Brooklyn, N. Y.</i>	Yale P. O.
Irving Wershow	<i>Bridgeport, Conn.</i>	143 Whalley ave.
William Henry Wheeler	<i>Storrs, Conn.</i>	119 College st.
Harold Burton Whipp	<i>Fall River, Mass.</i>	124 Prospect st.
Abbot Marshall Whitman	<i>Eveleth, Minn.</i>	82 Wall st.
Henry Henke Wilkinson	<i>Brooklyn, N. Y.</i>	139 High st.
Albert Dickens Williams	<i>Evanston, Ill.</i>	17 Hillhouse ave.
Frank Ashley Wilmot, Jr.	<i>Bridgeport, Conn.</i>	119 College st.
Dean Platt Wing	<i>East Orange, N. Y.</i>	96 Wall st.
John Clift Wise	<i>Flushing, N. Y.</i>	96 Wall st.
John Newman Wittenberg	<i>Huntington, W. Va.</i>	124 Prospect st.
Jacob Louis Wolfman	<i>New Haven, Conn.</i>	40 Baldwin st.
Watson Stiles Woodruff, Jr.	<i>Orange, Conn.</i>	133 College st.
Morgan Spencer Wright	<i>New Haven, Conn.</i>	1319 Boulevard
Thomas Herbert Young, Jr.	<i>New Haven, Conn.</i>	215 Winchester ave.
William Kimball Ziegfeld	<i>Detroit, Mich.</i>	156 Grove st.
Paul Manthey Zorn	<i>South Euclid, Ohio</i>	84 Wall st.

Rated with lower class because of scholarship deficiencies

Richard Milton Adams	New Haven, Conn.	17 Hillhouse ave.
Elbert Vermilye Brinckerhoff	New York City	17 Hillhouse ave.
Edward Allison Daugherty	Omaha, Nebr.	17 Hillhouse ave.
Thomas Daniel Neelands, Jr.	Plandome, N. Y.	1 Hillhouse ave.
Alexander Sellers, Jr.	Ardmore, Pa.	96 Wall st.
		TOTAL, 274

STUDENTS NOT CANDIDATES FOR A DEGREE

Charles Loring Brace, Jr., PH.B.	New York City	123 Wall st.
Yale University 1919	Chemistry	
Donald Alfonso Carson, B.A.	Glens Falls, N. Y.	251 Crown st.
Yale University 1919	Chemistry	
Lionel Joseph Coulombe	West Haven, Conn.	
	Prospect Beach, West Haven	
	Railway Engineering	
Edward Allen Deeds, B.A.	Nashville, Tenn.	82 Wall st.
Vanderbilt University 1920	Business Administration	
George Henry Erwin, CH.E.	Bethlehem, Pa.	370 Temple st.
Lehigh University 1920	Business Administration	
Joseph Henry Hall, Jr., PH.B.	Norwich, Conn.	148 Grove st.
Yale University 1920	Business Administration	
Leo Vernon Horton, PH.B.	Miles City, Mont.	119 College st.
Yale University 1920	Chemistry and Geology	
Haqiqat Singh Jamwal	Jammie City, India	59 Prospect st.
Prince of Wales College	Pre-Forestry	
Arthur Erick Klemmedson, B.S.	Colorado Springs, Colo.	352 Temple st.
University of Illinois 1918	Business Administration	
Arthur Stuart Page, LL.B.	Washington, D. C.	315 York st.
Georgetown University 1915	Business Administration	
William Coalter Paxton, B.A.	Danville, Va.	114 College st.
Virginia Military Institute 1920	Business Administration	
Knight Preston Roddy, B.A.	Dallas, Texas	84 c.
Southern Methodist University 1920	Business Administration	
Samuel Leon Saltzman, PH.B.	New Haven, Conn.	644 Ferry st.
Yale University 1920	Machine Design	
Oscar Barns Sutherland, B.A.	Emory, Va.	74 Wall st.
Emory and Henry College 1920	Business Administration	
Carl Warren Taylor	New Haven, Conn.	24 Brownell st.
	Power Engineering	
Harry Ruby Westcott, E.E.	New Haven, Conn.	728 Elm st.
Brown University 1907, M.E. 1908	Business Administration	
		TOTAL, 16

SUMMARY

SENIORS	324
JUNIORS	90
SOPHOMORES	274
STUDENTS NOT CANDIDATES FOR A DEGREE	16
TOTAL	704

THE FRESHMAN YEAR

Lewis Benjamin Aaron	New Haven, Conn.	94 Linden st.
Harry J. Aaronson	New Haven, Conn.	1516 Quinnipiac ave.
George Johnstone Adams, Jr.	West Hempstead, L. I., N. Y.	180 v-s.
Elmer Charles Akerley	Reading, Mass.	162 v-s.
Marshall Champion Allaben, Jr.	Winsted, Conn.	404 B.
Henry Elisha Allen	Hubbard Woods, Ill.	462 fw.
Warren William Allen	New Haven, Conn.	460 Ferry st.
Morgan Hanlon Alvord	Hartford, Conn.	463 fw.
Edwin Howard Andrew	Danbury, Conn.	452 fw.
George Davis Andrews, Jr.	Chattanooga, Tenn.	372 wh.
Henry Green Annan	Cumberland, Md.	149 v-s.
Richard Lewis Anthony	Hartsdale, N. Y.	171 v-s.
George Frederick Baer Appel	Lancaster, Pa.	493 H.
Joseph Wheeler Appleton	Brooklyn, N. Y.	152 v-s.
Thomas Webster Archbald	Scranton, Pa.	341 wh.
Fred Arn, Jr.	Chattanooga, Tenn.	372 wh.
Robert Burnett Artz	Dayton, Ohio	352 wh.
James Leddy Ash	Middletown, Ohio	346 wh.
James Tinkham Babb	Lewiston, Idaho	355 wh.
John Edwin Bach	Hastings-on-Hudson, N. Y.	177 v-s.
Daniel Trigg Bache	Philadelphia, Pa.	135 v-s.
Frederick Christian Bachman	Sharon, Pa.	346 wh.
Robert Simpson Bachman	Durham, Pa.	10 Hw.
John Louis Bacigalupo	Reading, Mass.	425 fw.
Samuel Hutchins Back	Danielson, Conn.	390 B.
Frederick William Bahr	Greenwich, Conn.	7 B.M.H.
Edward Payson Baird, Jr.	Evanston, Ill.	142 v-s.
Albert Storrs Baker	New Haven, Conn.	970 Elm st.
William Wiswall Baker	Sioux Falls, S. Dak.	452 fw.
Stephen Ward Balkwill	Cleveland, Ohio	111 v-s.
Louis Jonah Baronberg	New Haven, Conn.	1 Waverly st.
Jeremiah Hotchkiss Bartholomew, Jr.	Ansonia, Conn.	367 wh.
Calvin Page Bartlett	Portsmouth, N. H.	480 H.
Marshall Kinne Bartlett	New Haven, Conn.	367 wh.
Theodore Parker Bartlett	West Haven, Conn.	530 2d ave., West Haven
Francis Seuter Bascom	Salt Lake City, Utah	377 wh.
Theodore Lewis Bates	New Haven, Conn.	178 v-s.
Reginald Cuthbert Batty	Utica, N. Y.	170 v-s.
Harold R. Baxter	Pittsburgh, Pa.	488 H.
Frederick Waldron Beach	Bristol, Conn.	360 wh.
James Clarence Beach	Binghamton, N. Y.	415 B.
William Cecil Beard	Glen Ridge, N. J.	148 v-s.
*George Richardson Beardsell, Jr.	Lynn, Mass.	

*Deceased.

William K. Beckers	Bolton, N. Y.	414 B.
Ethan Allen Beer	Carson Lake, Minn.	384 B.
Robert Edmond Beers	Newtown, Conn.	123 v-s.
Ernest James Begien	Melrose Highlands, Mass.	418 B.
Henry Belin, 3d	Scranton, Pa.	153 v-s.
Walter St. John Benedict, Jr.	Brooklyn, N. Y.	7-8 HW.
Anderton Lewis Bentley	Toledo, Ohio	144 v-s.
William Emilien Bergeron	Marlboro, Mass.	365 WH.
Winton Mariotte Bernardin	Kansas City, Mo.	497 H.
Woodbridge Bingham	New Haven, Conn.	340 WH.
Sidney Whittier Binns	Pittsburg, Pa.	441 FW.
Howard Morton Biscoe, Jr.	Newton Highlands, Mass.	476 H.
Charles Gilbert Black, Jr.	Elizabeth, N. J.	163 v-s.
Samuel Howard Blackmer	Bennington, Vt.	498 H.
Edwin Foster Blair	Dallas, Texas	353 WH.
Stanley Reeves Blake	Hartford, Conn.	127 v-s.
Mortimer Clarke Blood	Wellesley, Mass.	383 B.
Bradford Boardman	Bridgeport, Conn.	426 FW.
Charles Boettcher	Denver, Colo.	188 v-s.
Laurence Van Houten Bogert	Garden City, L. I., N. Y.	180 v-s.
Philip Wilson Bonsal	Washington, D. C.	448 FW.
John Francis Bookwalter	Springfield, Ohio	144 v-s.
James Moorhead Bovard	Greensburg, Pa.	457 FW.
Martin Koon Bovey	Minneapolis, Minn.	370 WH.
Albert Lewis Bowen	Willimantic, Conn.	1112 Chapel st.
John Rhys Bowen	Ansonia, Conn.	375 WH.
Chester Bliss Bowles	Springfield, Mass.	185 v-s.
Louis Boyarsky	Wallingford, Conn.	26, 128 High st.
Thomas S. Brackett	Minneapolis, Minn.	370 WH.
Jack William Bray, Jr.	Bridgeport, Conn.	160 v-s.
John Storey Breckinridge	Brooklyn, N. Y.	332 WH.
Philip Schuyler Britton	Cleveland, Ohio	465 FW.
Frank Brobeil	West Haven, Conn.	
	391 3d ave., West Haven	
Clifford Vail Brokaw, Jr.	New York City	142 v-s.
Edward Brosler	Bridgeport, Conn.	
	6 Highland ave., Bridgeport	
Calvin Russell Brown	New Haven, Conn.	12 HW.A.
Dwight Eldrege Brown	New Haven, Conn.	110 Pendleton st.
Raymond Karle Brucker	Bridgeport, Conn.	
	65 Myrtle ave., Bridgeport	
Geoffrey Bryant	Ansonia, Conn.	423 FW.
Charles Griswold Bulkley	Springfield, Mass.	133 v-s.
Charles Sterling Bunnell	New York City	181 v-s.
George Keller Burbridge	New York City	337 WH.
Edward Bentley Burdick	Hartford, Conn.	127 v-s.
David Burnett	Paterson, N. J.	383 B.
Stiles Burpee	Hartford, Conn.	476 H.
Denzil Sidney Bush	East Orange, N. J.	466 FW.

Frederick William Butler	New Haven, Conn.	449 FW.
Stuyvesant Butler	Winnetka, Ill.	462 FW.
Geoffrey Hobart Byrne	East Orange, N. J.	450 FW.
Samuel Pinkney Caldwell	Mt. Hermon, Mass.	409 B.
Arnold Guyot Cameron, Jr.	Princeton, N. J.	401 B.
Gordon Hunt Campbell	Yonkers, N. Y.	21, 128 High st.
John Duncan Campbell	Ilion, N. Y.	339 WH.
Lionel Canaan	Brooklyn, N. Y.	177 V-S.
Allen Russell Carmichael	New Haven, Conn.	167 V-S.
Leonard Griswold Carpenter	Minneapolis, Minn.	498 H.
Richard Clarence Carr	Toledo, Ohio	144 V-S.
John Christy Carrozzella	Meriden, Conn.	156 Grove st.
David Gillis Carter	Grasse Pointe, Mich.	433 FW.
Kenneth Born Caskey	Akron, Ohio	381 WH.
Segundo Julio Casteleiro	New York City	411 B.
John Long Caswell	Cleveland, Ohio	185 V-S.
James Robinson Chamberlain	New Britain, Conn.	148 V-S.
Charles Frederick Lucas Chamberlaine	Englewood, N. J.	149 V-S.
Francis Stilwell Chamberlin	Hartford, Conn.	428 FW.
Saul Nathaniel Channin	Rockville, Conn.	20 HW.
Gilbert Whipple Chapman	Woodmere, L. I., N. Y.	174 V-S.
Marvin Chapin Cheney	Southbridge, Mass.	113 V-S.
Bernard Menas Chernoff	New Britain, Conn.	400 B.
David Walter Chess	Pittsburgh, Pa.	440 FW.
Charles Sommer Chichester	Garden City, L. I., N. Y.	1 B.M.H.
William Chisholm, 2d	Cleveland, Ohio	143 V-S.
Fred Watson Clark	Buffalo, N. Y.	483 H.
Kenneth Willis Clark	Demarest, N. J.	339 WH.
Merritt Clark	Milford, Conn.	442 FW.
Robert Johnson Clark	Cleveland, Ohio	427 FW.
Harry Beach Clow, Jr.	Lake Forest, Ill.	459 FW.
James Mitchell Coates	Little Rock, Ark.	180 V-S.
Hyman Cohen	New Haven, Conn.	185 Winthrop ave.
Everett Harvey Coleman	New York City	139 V-S.
Robert Bangs Colgate	New York City	480 H.
Thomas Luic Conway	Lowell, Mass.	160 V-S.
Douglas Alexander Cooke	Honolulu, H. I.	107 V-S.
Sollace Burroughs Coolidge, Jr.	Cleveland, Ohio	477 H.
Stanley Miller Cooper	New Britain, Conn.	445 FW.
Gardner Morse Corbin	New Haven, Conn.	104 V-S.
David Kennedy Corey	Philadelphia, Pa.	31 HART
Joseph Naramore Cornell	Ossining, N. Y.	2 B.M.H.
Gibbons Gray Cornwell, Jr.	West Chester, Pa.	362 WH.
James J. Corrigan	New Haven, Conn.	532 Yale P. O.
Frank Dallas Corwin	Minneapolis, Minn.	427 FW.
Edwin Morgan Cotton	Cleveland, Ohio	377 WH.
Earle Wesley Couch	New Haven, Conn.	161 Gilbert ave.
Paul Cummings Covert	Billings, Mont.	430 FW.
William Hutchinson Cowles, Jr.	Spokane, Wash.	482 H.

Walter Crafts	Montreal, Canada	504 H.
Laurence MacKay Crannell	Dallas, Texas	371 Crown st.
Martin Lalor Crimmins, Jr.	San Francisco, Calif.	447 FW.
Franklin Muzzy Crosby, Jr.	Minneapolis, Minn.	479 H.
Daniel VanBuren Crowell	Greensburg, Pa.	472 H.
Francis Crowley	New Haven, Conn.	407 B.
Edward Crummey	New York City	5-6 HW.
Spencer Murray Crummey	New York City	188 V-S.
Hale Ellicott Cullom	Nashville, Tenn.	499 H.
Allan Milliken Cullum	Sewickley, Pa.	494 H.
Frank Edie Curran	Overbrook, Pa.	111 V-S.
William Lavinous Curtis	Petoskey, Mich.	425 FW.
Milton Whitney Cushing	Boston, Mass.	23-24 HART
Paul Clement Daniels	Albion, N. Y.	378 WH.
Thomas Baxter Danielson	Danielson, Conn.	176 V-S.
Robert Cooper Davidson	Coraopolis, Pa.	1 HW.A.
Joshua Montgomery Deaver	Philadelphia, Pa.	501 H.
Preston Karl Dederick, Jr.	Loudonville, N. Y.	27-28 HART
Nelson Lloyd Deming, Jr.	New York City	489 H.
Lowes Emerson DeWeese	Dayton, Ohio	101 V-S.
Donald Emory Dial	Cleveland, Ohio	363 WH.
Livingston Thomas Dickason, 2d	Chicago, Ill.	335 WH.
Edwin Otto Dietz	Holyoke, Mass.	5-6 HW.A.
John Cabot Diller	San Antonio, Texas	361 WH.
Andrew Hendryx Doolittle	Spokane, Wash.	109 V-S.
Tilton Edwin Doolittle	Spokane, Wash.	109 V-S.
Richard William Dooly	Salt Lake City, Utah	189 V-S.
Malcolm Kenneth Douglas	Castine, Maine	174 V-S.
William Chappell Downing, Jr.	Indianapolis, Ind.	112 V-S.
Raymond Dragat	Hartford, Conn.	18-19 HW.A.
David Drucker	Brooklyn, N. Y.	177 V-S.
Edward Stephen Duffy	Lawrence, Mass.	113 V-S.
Robert Serpa Dumont	San José, Calif.	453 FW.
William Denison Dunning	Syracuse, N. Y.	110 V-S.
Alfred Victor duPont	New Haven, Conn.	234 Lawrence st.
Joseph Cyrille Dupont, Jr.	Houma, La.	178 V-S.
William Joseph Ehrich, Jr.	New York City	470 FW.
Samuel James Elder, Jr.	Winchester, Mass.	439 FW.
George Armstrong Elliott, Jr.	Wilmington, Del.	343 WH.
William Elliott, Jr.	Rutherford, N. J.	103 V-S.
Gilbert Galbraith Emerson	Titusville, Pa.	153 V-S.
William Benson Emerson	Titusville, Pa.	437 FW.
Jacob Epstein	New Haven, Conn.	168 James st.
Harry August Erickson	Brockton, Mass.	408 B.
Caldwell Blakeman Esselstyn	New York City	429 FW.
Brockenbrough Evans	Washington, D. C.	356 WH.
James Carey Evans, 3d	Buffalo, N. Y.	105 V-S.
John Ganson Evans	Taos, N. Mex.	105 V-S.
Robert Harrold Every	Athens, N. Y.	9 B.M.H.

James Henry Miller Ewart	<i>Hinton, W. Va.</i>	376 WH.
Sherman Ewing	<i>New York City</i>	486 H.
Wilbur Bowen Fairfax	<i>Washington, D. C.</i>	431 FW.
Leon Falk, Jr.	<i>Pittsburgh, Pa.</i>	150 V-S.
Vincent Farnsworth, Jr.	<i>Winchester, Mass.</i>	497 H.
Joseph Cottrell Farrell	<i>Easton, Pa.</i>	472 H.
Julian Isham Farwell	<i>Chicago, Ill.</i>	13-14 HART
Clayton Sherwood Faville	<i>Albert Lea, Minn.</i>	350 WH.
Vsevolod Nicolaevitch Fedoroff	<i>Tswinga, Japan</i>	127 Butler st.
Woodward Fellows	<i>Chicago, Ill.</i>	354 WH.
William Henry Fenn, Jr.	<i>Wilmington, Del.</i>	181 V-S.
Franklin Field	<i>Brooklyn, N. Y.</i>	176 V-S.
Harold Finkelstein	<i>Jacksonville, Fla.</i>	17 HW.
Peter William Fiskio	<i>New Haven, Conn.</i>	19 Madison st.
Charles Jones Flannigan	<i>Portsmouth, N. H.</i>	116 College st.
Arthur Fleischer	<i>Bridgeport, Conn.</i>	458 FW.
Frank William Flood	<i>New Haven, Conn.</i>	114 Hurlburt st.
William Joseph Flynn, Jr.	<i>Waterbury, Conn.</i>	468 FW.
Malcolm Forbes	<i>Springfield, Mass.</i>	454 FW.
Seymour Nelson Fox	<i>New York City</i>	434 FW.
Albert Francke, Jr.	<i>Lawrence, L. I., N. Y.</i>	403 B.
Ernest William Fraser	<i>Hartford, Conn.</i>	421 B.
Norman Easton Freeman	<i>Philadelphia, Pa.</i>	414 B.
John Martin Freiheit	<i>Derby, Conn.</i>	359 WH.
Meyer Friedenson	<i>Ansonia, Conn.</i>	33 Crescent st., Ansonia
David Harry Friedman, Jr.	<i>Albany, N. Y.</i>	125 V-S.
Malcolm Hovenden Frost	<i>Lawrence, Mass.</i>	391 B.
Theodore Hall Fuger	<i>Grosse Pointe Farms, Mich.</i>	344 WH.
Asa Warren Fuller	<i>Summit, N. Y.</i>	494 H.
Charles Joseph Gaffney	<i>New Haven, Conn.</i>	20 Gill st.
John Marshall Gaines, Jr.	<i>Bronxville, N. Y.</i>	493 H.
George Brendan Gallagher	<i>Brooklyn, N. Y.</i>	102 V-S.
Vincent William Gallagher	<i>West Haven, Conn.</i>	323 Elm st., West Haven
Edward Denison Gallaudet	<i>Stonington, Conn.</i>	379 WH.
John Joseph Gallery, Jr.	<i>Chicago, Ill.</i>	444 FW.
Samuel Frederick Gandelman	<i>New Haven, Conn.</i>	457 Washington ave.
Alan Atwell Garland	<i>Pittsburgh, Pa.</i>	424 FW.
Howard Raymond Garsden	<i>Hartford, Conn.</i>	128 V-S.
Richard Hall Gartley	<i>Honolulu, H. T.</i>	398 B.
George Walter Gates, Jr.	<i>Portland, Ore.</i>	HART
Louis Stanley Gimbel, Jr.	<i>New York City</i>	483 H.
George Gitlitz	<i>New Haven, Conn.</i>	564 George st.
Morris Max Gitlitz	<i>New Haven, Conn.</i>	124 Dewitt st.
John Lersch Gobey	<i>Columbus, Ohio</i>	184 V-S.
Frederick Percy Goddard	<i>Seymour, Conn.</i>	422 B.
Edward Harold Goin	<i>New Haven, Conn.</i>	573 Orchard st.
Theodore Sedgwick Gold	<i>West Cornwall, Conn.</i>	190 V-S.

Maurice Goldman	Buffalo, N. Y.	4 HW.A.
Laird Shields Goldsborough	South Norwalk, Conn.	368 WH.
Edward Warner Goodhart	New York City	458 FW.
Walter Lippincott Goodwin, Jr.	Hartford, Conn.	474 H.
Donald Kendrick Goudey	New Haven, Conn.	356 WH.
George Joseph Grady	New Haven, Conn.	28 Wight st.
Harrison Edward Graffin, Jr.	Catasauqua, Pa.	395 B.
David Ross Granger	New York City	25 HART
Donald Stuart Granniss	Waterbury, Conn.	3-4 HW.
Horace Pease Graves	Dayton, Ohio	163 V-S.
John Hannibal Chase Green	Chicago, Ill.	462 FW.
Edward McVitty Greene, Jr.	Huntingdon, Pa.	114 V-S.
Henry Lyman Greer	Evanston, Ill.	390 B.
Charles Oscar Gregory	Derby, Conn.	342 WH.
Ralph Early Grim	Reading, Pa.	22-23 HW.A.
Robert Clarence Gross	Greensburg, Pa.	355 WH.
James Cole Gruener	Cleveland, Ohio	465 FW.
John Hoxie Haas	Kansas City, Mo.	446 FW.
George Canterbury Haigh	Farmington, N. H.	415 B.
Thomas Frederick Davies Haines	Lenox, Mass.	374 WH.
Frederick Pelton Hall	West Haven, Conn.	369 Main st., West Haven
Jasper Landon Hall	Omaha, Nebr.	472 H.
John Nelson Hall	Chicago, Ill.	499 H.
Sherman Roger Hall, Jr.	Portland, Ore.	165 V-S.
Ralph Edward Hamil	Lincoln, Ill.	345 WH.
John Gordon Hamilton	New York City	21-22 HART
Alfred Hand	Philadelphia, Pa.	341 WH.
Kenneth Allen Harmon	Springfield, Mass.	17-18 HART
Frederick Harriman	Ardsley-on-Hudson, N. Y.	117 V-S.
Walter Stewart Harris, Jr.	Minneapolis, Minn.	412 B.
Valentine Chamberlain Hart	New Britain, Conn.	187 V-S.
Moses Hartzmark	Hartford, Conn.	18-19 HW.A.
Daniel Foster Harvey	Hartford, Conn.	483 H.
Melville Hanna Haskell	Thomasville, Ga.	110 V-S.
John Frank Havemeyer	Ardsley-on-Hudson, N. Y.	113 V-S.
Dudley William Lloyd Hawkins	New York City	475 H.
William Henry Hays, Jr.	New York City	405 B.
Giles Greville Healey	Cornwall-on-Hudson, N. Y.	151 V-S.
Laurence Ford Hearne	Wheeling, W. Va.	175 V-S.
George Wright Peavey Heffelfinger	Wayzata, Minn.	398 B.
John Lockman Helmuth	New York City	461 FW.
William Reif Hennig	New Haven, Conn.	67 Hobart st.
Edwin Stanton Herman, Jr.	Harrisburg, Pa.	485 H.
Kurt Herrmann	New York City	191 V-S.
William Van Anden Hester, Jr.	Glen Cove, L. I., N. Y.	108 V-S.
Donald Bryant Hidden	Fitchburg, Mass.	23-24 HART
Alan Audley Hilditch	Bronxville, N. Y.	178 V-S.
Charles Borland Hill, Jr.	Montclair, N. J.	481 H.

Charles Dewey Hilles, Jr.	Speonk, L. I., N. Y.	442 FW.
Claus Harry Hinek	Bronxville, N. Y.	427 FW.
William Herman Hird	Plainville, Conn.	37 High st.
Robert George Hoag	Detroit, Mich.	23-24 HART
Norman Frederick Hock	Pottsville, Pa.	358 WH.
Charles Linton Hodgman	Minneapolis, Minn.	431 FW.
George Henry Hodgson, Jr.	Cleveland, Ohio	477 H.
Frederick Hofman, Jr.	New Haven, Conn.	40 Lyon st.
Noble Hoggson	Redding Ridge, Conn.	167 v-s.
Dean Hawley Holden	New York City	112 v-s.
Samuel Horowitz	New Haven, Conn.	22 Vernon st.
William Bernard Horrocks	Philadelphia, Pa.	6 B.M.H.
Herbert Hale Horton	Minneapolis, Minn.	189 v-s.
Walter Edwards Houghton, Jr.	Stamford, Conn.	484 H.
Adrian Madison Howard	Minneapolis, Minn.	468 FW.
James Lawrence Howard	New Haven, Conn.	428 Poplar st.
Salmon Giddings Howd, Jr.	Winsted, Conn.	460 FW.
Harold Kitchell Howe	Chicago, Ill.	500 H.
Otis Livingston Hubbard	Middletown, Conn.	459 FW.
Charles Carlton Hubbell, Jr.	Yonkers, N. Y.	33, 128 High st.
Buell Wentworth Hudson	Woonsocket, R. I.	463 FW.
Edwin Hodges Hull	Derby, Conn.	342 WH.
Anton Hulman, Jr.	Terre Haute, Ind.	170 v-s.
Floyd Packard Hunt	Decatur, Ill.	110 v-s.
William Bruce Hunter	South Fargo, N. Dak.	17 Hillhouse ave.
Samuel Gladding Huntington	Hartford, Conn.	455 FW.
William Marvin Huntington	Cortland, N. Y.	397 B.
Arthur Stevens Hutchcraft	New Haven, Conn.	196 Norton st.
Arnold Torrance Hutcheson	New York City	348 WH.
Arthur Jordan Illes	Indianapolis, Ind.	434 FW.
Horace Ingersoll	New York City	22-23 HW.
Frederick Watson Ingham	Kansas City, Mo.	456 FW.
James Edmondson Ingram, 3d	White Plains, N. Y.	115 v-s.
Leslie Bersell Irvin	St. Paul, Minn.	423 FW.
Roger Stoddard Isbell	New Haven, Conn.	148 v-s.
Ralph Nelson Isham	Chicago, Ill.	501 H.
Kenneth Appleton Ives	Dobbs Ferry, N. Y.	169 v-s.
Norman Reginald Jaffray	Stamford, Conn.	406 B.
Thomas Warren James	Dayton, Ohio	19-20 HART
Derick Algernon January	St. Louis, Mo.	439 FW.
Glover Sanford Jennings	Bridgeport, Conn.	457 FW.
Ralph Kouns Jester	Dallas, Texas	432 FW.
Albert Lincoln Johnson, Jr.	Hamburg, N. Y.	378 W.
Allen Acree Johnson	Birmingham, Ala.	437 FW.
Charles Bronson Johnson	New Haven, Conn.	23 Trumbull st.
Gordon Johnson	New Haven, Conn.	101 Greenwood st.
Mortimer Phillip Joseph, 2d	Denver, Colo.	175 v-s.
Stuart Edwards Judd	Waterbury, Conn.	484 H.

Frederick Richard Kaimer	New Haven, Conn.	51 Judson ave.
Allen Keith	Southport, Conn.	392 B.
Phelps Kelley	Chicago, Ill.	481 H.
Stephen Wright Kellogg	Waterbury, Conn.	152 v-s.
William B. J. Kelly	Louisville, Ky.	395 B.
George Chalfant Kennedy	Pittsburgh, Pa.	145 v-s.
George Wilton Kennedy	South Easton, Mass.	376 WH.
John Corry Kerr	Montclair, N. J.	111 Grove st.
Eric Frederic Kerry	Brookline, Mass.	179 v-s.
William Kiernan	Bridgeport, Conn.	385 B.
George Stearns Kinsey	Wyoming, Ohio	435 FW.
Saxton Wheeler Kitchel	Bronxville, N. Y.	343 WH.
Howard Geraldine Kitt	New Rochelle, N. Y.	8 B.M.H.
Max Klebanoff	New Haven, Conn.	87 Gilbert ave.
Herman Kline	New Haven, Conn.	198 Chatham st.
Daniel Chauncey Knowlton, Jr.	Montclair, N. J.	502 H.
Edward Everet Koos	New York City	7-8 H.W.
Howard Philip Kopf	Chicago, Ill.	175 v-s.
Denman Kountze	Omaha, Nebr.	121 v-s.
Leslie Combs Kountze	New York City	331 WH.
John Kremer	New York City	172 v-s.
Arthur Krom	Iron River, Mich.	436 FW.
Arthur Marley Kugeman	West Cornwall, Conn.	120 v-s.
Charles Kullman	New Haven, Conn.	141 Foster st.
Addison Yung Kwai	Washington, D. C.	388 B.
Harry Pierson Lander	New Haven, Conn.	234 Whalley ave.
Houston Eccleston Landis, Jr.	Chicago, Ill.	171 v-s.
James Harvey Lang, Jr.	Larchmont, N. Y.	132 v-s.
Sigfred Langner	Milford, Conn.	1 Prospect st., Milford
Samuel Martin Stephens Lanham	Fort Worth, Texas	352 WH.
Byron Jerome Lapham	Glens Falls, N. Y.	490 H.
Conrad Hayden Lashar	Fairfield, Conn.	379 WH.
George Ambrose Laub	Buffalo, N. Y.	103 v-s.
Baruch Edwin Lavietes	Shelton, Conn.	291 Coram ave., Shelton
Stuart Crawford Law	Menominee, Mich.	171 v-s.
John Howard Leary	Springfield, Mass.	487 H.
John Nelson Ledbetter, 3d	Michigan City, Ind.	22-23 HW.
Augustus Canfield Ledyard	Detroit, Mich.	478 H.
Henry Ledyard, Jr.	Detroit, Mich.	126 v-s.
William Callender Leete	Thompsonville, Conn.	467 FW.
David Currie Leggett	Plainfield, N. J.	168 v-s.
Carl Coder Leighty	Kansas City, Mo.	446 FW.
James Martin Lenihan	Lakeville, Minn.	385 B.
Lester Arthur Leserman	Chicago, Ill.	380 WH.
James Leslie	New York City	461 FW.
Abraham Yale Levine	New Haven, Conn.	478 Whalley ave.
David Charles Lewis	Woodbridge, Conn.	
	Long Hill road, Woodbridge	
George Albert Lewis	Naugatuck, Conn.	495 H.

John Bosworth Lewis, Jr.	<i>Providence, R. I.</i>	108 v-s.
Carlton Wheeler L'Hommedieu	<i>East Norwalk, Conn.</i>	
	20 Rowan st., East Norwalk	
Spencer Hartigan Libby	<i>Iron River, Mich.</i>	502 H.
Richard Upjohn Light	<i>Kalamazoo, Mich.</i>	186 v-s.
John Joseph Lincoln, Jr.	<i>Elkborn, W. Va.</i>	107 v-s.
John Bowen Lippitt	<i>Providence, R. I.</i>	487 H.
Charles Joseph Little	<i>Evanston, Ill.</i>	478 H.
David Charles Little	<i>Westfield, Mass.</i>	141 v-s.
Ellsworth Rainsford Littler	<i>Upper Montclair, N. J.</i>	181 v-s.
Richard Phillips Loasby	<i>New York City</i>	111 Grove st.
John Locke	<i>Roland Park, Md.</i>	490 H.
Edward Hugh Loevenhart	<i>St. Louis, Mo.</i>	118 v-s.
Richard Albert Loomis	<i>Cleveland, Ohio</i>	161 v-s.
Stillman Wadsworth Loomis	<i>Chicago, Ill.</i>	188 v-s.
Edward Lopatin	<i>New Haven, Conn.</i>	8 Edwards st.
Maurice Lowenthal	<i>Newport, Ky.</i>	150 v-s.
Joseph Wilson Lucas, Jr.	<i>Philadelphia, Pa.</i>	114 v-s.
William Luke, 2d	<i>Tarrytown, N. Y.</i>	107 v-s.
Clarence Sumner Lunt, Jr.	<i>Rochester, N. Y.</i>	471 H.
William Thompson Lusk	<i>New York City</i>	340 WH.
John Nicholas Luykx	<i>New York City</i>	201 F.
John Henry Lynch	<i>Lawrence, Mass.</i>	120 v-s.
Revell McCallum	<i>Norhampton, Mass.</i>	501 H.
Robert Slager McClellan	<i>White Plains, N. Y.</i>	103 v-s.
Charles Clarke McCrea	<i>Woodmere, L. I., N. Y.</i>	374 WH.
Edward James McDonald	<i>Buffalo, N. Y.</i>	333 WH.
Charles Washburn McDonnell	<i>New Haven, Conn.</i>	167 v-s.
Donald Robert MacEslin	<i>Whitneyville, Conn.</i>	
	79 Putnam ave., Whitneyville	
Norman Schoonmaker McGee	<i>Plainfield, N. J.</i>	438 FW.
Hubert Arner McGuire	<i>West Chester, Pa.</i>	344 WH.
Peter Charles Crowley McNerney	<i>East Braintree, Mass.</i>	345 WH.
Charles Condon MacKay	<i>Tulsa, Okla.</i>	112 v-s.
James Reese McKeldin	<i>Washington, D. C.</i>	331 WH.
Richard Tillery McLane	<i>St. Louis, Mo.</i>	382 WH.
Allan Alderson MacMartin	<i>New York City</i>	334 WH.
Donald MacMillan	<i>New Britain, Conn.</i>	108 v-s.
Philip Waldemer Mace	<i>New Haven, Conn.</i>	12 Parmelee ave.
Samuel Eliot Mag	<i>New Britain, Conn.</i>	381 WH.
William Neely Mallory	<i>Memphis, Tenn.</i>	433 WH.
Hubert Carpenter Mandeville, Jr.	<i>Elmira, N. Y.</i>	21 HW.
Frederick Rand Manevitz	<i>New Haven, Conn.</i>	1600 West Chapel st.
Leon James Markham	<i>Cortland, N. Y.</i>	396 B.
John Markle, 2d	<i>Hazleton, Pa.</i>	149 v-s.
Carl Neidhard Martin, Jr.	<i>Philadelphia, Pa.</i>	369 WH.
Erard Adolph Matthiessen	<i>Irvington-on-Hudson, N. Y.</i>	151 v-s.
Carleton Francis Maylott	<i>Derby, Conn.</i>	186 Derby ave., Derby
Sanford Brown Meech, Jr.	<i>Groton, Conn.</i>	131 v-s.

Edmund Melhado	Jamaica, B. W. I.	145 v-s.
John Young Meloy	Chicago, Ill.	179 v-s.
William Davis Melton, Jr.	Columbia, S. C.	349 wh.
William Mendelson	New Haven, Conn.	82 Scranton st.
John Jerrome Mermin	New Haven, Conn.	676 Grand ave.
Samson Merriam	New Haven, Conn.	513 Howard ave.
Joseph King Merwin	Milwaukee, Wis.	126 v-s.
Willard Barrows Millard, Jr.	Omaha, Nebr.	121 v-s.
John Lester Miller	Huntington, L. I., N. Y.	339 wh.
Robert Olcott Miller	Derby, Conn.	359 wh.
Clark Blanchard Millikan	Chicago, Ill.	373 wh.
Edwin Coddington Mills	Lincoln, Ill.	153 v-s.
George Edmund Milne	Barre, Vt.	11 hw.
Max Mitchell Milstone	St. Louis, Mo.	22, 128 High st.
Frank Malcolm Minor	Montclair, N. J.	502 h.
Walter LeRoy Mitchell, Jr.	New Haven, Conn.	699 Forest st.
William Wise Mitchell	Glendale, Ohio	338 wh.
Wladimir MitKewich	Chicago, Ill.	127 Butler st.
Gales Frank Moore	Bristol, Conn.	336 wh.
John Phillips Moore	Brooklyn, N. Y.	350 wh.
Lewis Moore, Jr.	Joliet, Ill.	482 h.
John Herron More	Cincinnati, Ohio	423 fw.
William Arthur Morgan, Jr.	Buffalo, N. Y.	333 wh.
Harold Woodward Morgans	Middletown, N. Y.	173 v-s.
Carey Yale Morse	Newtown, Conn.	135 v-s.
Edwin Raymond Motch, Jr.	Cleveland, Ohio	185 v-s.
Cornelius Anthony Moylan	Hartford, Conn.	10 B.M.H.
Cornelius Patrick Mundy	Wilmington, Del.	355 wh.
Robert Louis Munger	Waterbury, Conn.	3 hw.
Charles Francis Murphy	Marlboro, Mass.	106 v-s.
Leroy Murphy	Stoughton, Mass.	22-23 hw.a.
Russell William Murphy	St. Louis, Mo.	464 fw.
Edward Gwennap Murray	Mt. Vernon, N. Y.	189 v-s.
Harry Leo Nair	New Britain, Conn.	469 fw.
Thomas Daniel Neelands, Jr.	Plandome, N. Y.	1 Hillhouse ave.
Newell George Neidlinger	East Orange, N. J.	466 fw.
Richard Harvey Nesbit	Evanston, Ill.	170 v-s.
Carl William Newberg	New Haven, Conn.	227 Lombard st.
Arnold Newlander	Bridgeport, Conn.	423 Redfield ave., Bridgeport
Harold Kenneth Nichols	Tacoma, Wash.	371 wh.
Julius Jacob Nirenstein	Hartford, Conn.	334 Norton st.
Alexander Lloyd Norris	Brooklyn, N. Y.	171 v-s.
Alfred Oliphant Norris	Lawrence, L. I., N. Y.	174 v-s.
Edward Herbert North	West Haven, Conn.	608 Savin ave., West Haven
Charles Bate Norton	Cleveland, Ohio	23-24 HART
Joseph Francis Oed	New Haven, Conn.	162 v-s.
Charles Michael O'Hearn	Brookline, Mass.	101 v-s.

Ernest Ohnell, Jr.	Brooklyn, N. Y.	146 v-s.
Hollister Kingsland Olmstead	Boston, Mass.	147 v-s.
William Herman Ortlepp	Bridgeport, Conn.	
	2057 Main st., Bridgeport	
John Reynolds O'Sullivan	Derby, Conn.	75 Cottage st., Derby
Raymond Otis	Chicago, Ill.	438 fw.
Jack Crawford Outhet	Chicago, Ill.	108 v-s.
Henry Henderson Owen	New Haven, Conn.	356 wh.
Nelson Whitney Page	Hartford, Conn.	504 h.
Holkins Dillingham Palmer	Warehouse Point, Conn.	491 h.
Leonard Woods Parkhurst	Wilkes Barre, Pa.	436 fw.
Newell Barnard Parsons, Jr.	LaGrange, Ill.	136 v-s.
Adolph H. Pass	New Haven, Conn.	179 English st.
Henry Clay Patterson, Jr.	Youngsville, N. Y.	102 v-s.
Herbert Payson, Jr.	Portland, Maine	440 fw.
Harlow Simmons Pearson	New Haven, Conn.	475 h.
Newton Tenney Peck	Honolulu, H. I.	503 h.
Benjamin Alfred Penn	Springfield, Mass.	182 v-s.
Frederick Curtis Perkins, Jr.	New York City	9 hw.
Shafah Anthony Peters	Paris, Texas	5 B.M.H.
Frederic George Pick	Higbland Park, Ill.	381 wh.
Ralph Willener Pierson	Bloomington, Ill.	34, 128 High st.
Philip Winston Pillsbury	Minneapolis, Minn.	353 wh.
Samuel Pite	New Haven, Conn.	128 Dewitt st.
Joseph Swan Platt	Columbus, Ohio	429 fw.
Robert Watson Pomeroy, Jr.	Eggertsville, N. Y.	353 wh.
Lewis Morgan Porter, 2d	Cambridge, Mass.	137 v-s.
William Brevort Potts, Jr.	New York City	29-30 HART
Harold Joseph Preston	New Haven, Conn.	996 Townsend ave.
Benjamin Lovell Prime	Yonkers, N. Y.	449 fw.
Morris Pritzker	New Haven, Conn.	56 Daggett st.
Harry J. Pryor	Newport, Ky.	128 High st.
David Edwin Pursell	Reading, Pa.	488 h.
Lyonell Hutchinson Putnam	Hartford, Conn.	379 wh.
George Gilbert Quackenbush	Greenwich, Conn.	476 h.
Edward Aloysius Quinn	Greens Farms, Conn.	101 1/2 High st.
John Louis Radel	Bridgeport, Conn.	160 v-s.
Henry Randall	Wayne, Pa.	421 B.
William Wellford Randolph, 2d	East Orange, N. J.	466 fw.
William Charles Rands, Jr.	Detroit, Mich.	147 v-s.
Einer Walter Rasmussen	New Haven, Conn.	963 Townsend ave.
Colin Rathgeber	Westville, Conn.	
	602 Central ave., Westville	
Edwin Samuel Rauworth	DeKalb, Ill.	348 wh.
Bruce Vincent Reagan	St. Paul, Minn.	111 v-s.
Verner Zerola Reed	Denver, Colo.	461 fw.
Edwin Isherwood Reeser	Stamford, Conn.	14 B.M.H.
William Harrison Rice	Libue, Kauai, H. I.	398 B.
John Everett Richardson	Hollywood, Calif.	133 v-s.

Leonard Benjamin Riley	New Haven, Conn.	391 B.
James Stanton Robbins	Naugatuck, Conn.	471 H.
William Moore Robbins	Greensburg, Pa.	115 V-S.
Cyrus Swan Roberts, 3d	New York City	15-16 HART
Karl Stewart Roberts	Milford, Mass.	469 FW.
Henry Cornelius Robinson	Hartford, Conn.	442 FW.
Isador Robinson	Springfield, Mass.	Meriden, Conn.
James Stillman Rockefeller	Greenwich, Conn.	490 H.
Frederick Scudder Rockwell	Honesdale, Pa.	347 FW.
David Kenneth Rose	Newark, N. Y.	483 H.
Daniel Rosenblatt	Brooklyn, N. Y.	35, 128 High st.
Donald Peabody Ross	Philadelphia, Pa.	369 WH.
Arthur Frank Routh	New Haven, Conn.	497 Winthrop ave.
Stuart Burton Rowe	New Haven, Conn.	163 V-S.
Dayle Cecil Rowland	Indianapolis, Ind.	25-26 HART
Aaron M. Royal	Millville, N. Y.	467 FW.
Theodore Oliver Rudd	Media, Pa.	104 V-S.
Lloyd William Runyan	Buffalo, N. Y.	57 Wall st.
Harold Joseph Russo	New Haven, Conn.	283 Lexington ave.
David W. Rust	Detroit, Mich.	433 FW.
Allan Aloysius Ryan	Tuxedo, N. Y.	441 FW.
Cyril C. Ryan	Freeport, L. I., N. Y.	119 V-S.
Leo William Ryan	Dorchester, Mass.	361 WH.
Daniel Sammis Sanford	Redding Ridge, Conn.	426 FW.
Milton Casper Sarra	Cincinnati, Ohio	338 WH.
George Frost Sawyer	Andover, Mass.	439 FW.
Philip William Scheide	Hartford, Conn.	161 V-S.
John Davis Schoonmaker	Kingston, N. Y.	109 V-S.
Samuel Vail Schoonmaker, Jr.	Newburgh, N. Y.	31-32 HART
Louis Schreiber	Los Angeles, Calif.	467 FW.
Roy John Schwartz	Dayton, Ohio	419 B.
George Joseph Scott	Hartford, Conn.	21-24 HW.A.
Frank Earle Scully	Chicago, Ill.	444 FW.
Charles Colden Searles	Chicago, Ill.	358 WH.
Colder Willingham Seibels	Columbia, S. C.	349 WH.
John Kerr Selden	Erie, Pa.	406 B.
James Sayre Seymour	Auburn, N. Y.	351 WH.
Walter Elliot Seymour	Charles City, Iowa	51 Howe st.
Samuel Shapiro	New Haven, Conn.	575 Orange st.
Christopher Campbell Shaw	Lowell, Mass.	454 FW.
Michael Edward Sheehy	Ansonia, Conn.	
	38 Columbia st., Ansonia	
Frederick Sheffield	New York City	474 H.
Nathan Shepatin	New Haven, Conn.	452 Congress ave.
Albert Baisley Sheridan	New Rochelle, N. Y.	394 B.
Donald Richard Sheridan	New Haven, Conn.	383 B.
Rothwell Mitchell Sheriff	Chicago, Ill.	351 WH.
Samuel Sherman	New Haven, Conn.	230 Pine st.
Leonard Shiman	Crestwood, N. Y.	396 B.

Edmund Taite Silk	<i>New Haven, Conn.</i>	75 Autumn st.
Abraham Silver	<i>New Haven, Conn.</i>	17 Broad st.
Theodore Silverman	<i>Hartford, Conn.</i>	59 Prospect st.
Paul Adelbert Simonds, Jr.	<i>Kansas City, Mo.</i>	456 FW.
Arthur Rowland Sircom	<i>Malden, Mass.</i>	354 WH.
Foster Kent Sistare	<i>New London, Conn.</i>	467 FW.
Orville Bird Skinner	<i>Burnham, Pa.</i>	164 V-S.
George Norman Slade	<i>St. Paul, Minn.</i>	132 V-S.
Harry Hong Sling	<i>Hong Kong, China</i>	32, 128 High st.
Bertram Buxton Smith	<i>New York City</i>	176 V-S.
Bruce Smith	<i>Glenview, Ky.</i>	142 V-S.
Clarence Warner Smith	<i>North Haven, Conn.</i>	North Haven
Eugene Smith	<i>Hartford, Conn.</i>	455 FW.
Henry Durand Smith	<i>Lake Forest, Ill.</i>	335 WH.
Lawrence Richardson Smith	<i>West Roxbury, Mass.</i>	179 V-S.
Lynn Allen Smith	<i>Pittsburgh, Pa.</i>	470 FW.
Baird Snyder, 3d	<i>Pottsville, Pa.</i>	134 V-S.
Irwin Sanford Spellman	<i>New York City</i>	9-10 HART
Julian King Sprague	<i>New York City</i>	448 FW.
Ernest Walker Spring	<i>Itasca, N. Y.</i>	11 B.M.H.
James Hall Stackpole	<i>Ridgway, Pa.</i>	489 H.
Arthur George Stanford	<i>New Haven, Conn.</i>	169 Wolcott st.
Lyman Hereford Steele	<i>Winsted, Conn.</i>	366 WH.
Henry Emil Stehli	<i>New York City</i>	143 V-S.
Milton Steinbach	<i>New Haven, Conn.</i>	191 Sherman ave.
Kenneth Hooker Stevens	<i>Larchmont, N. Y.</i>	161 V-S.
Seth Edward Stevens	<i>Reading, Mass.</i>	128 High st.
Charles Morton Stewart	<i>Baltimore, Md.</i>	389 B.
Sherwood John Stiekley	<i>New York City</i>	120 V-S.
Paul Wakelee Stoddard	<i>New Haven, Conn.</i>	93 Henry st.
George Loring Porter Stone, Jr.	<i>Brooklyn, N. Y.</i>	189 V-S.
William Addison Stone, Jr.	<i>Kalamazoo, Mich.</i>	130 V-S.
William Havemeyer Stone	<i>San Francisco, Calif.</i>	367 Orange st.
Duane Rice Stoneleigh	<i>Pelham, N. Y.</i>	380 WH.
Herbert Francis Sturdy	<i>Los Angeles, Calif.</i>	106 V-S.
Stanley Jackson Sumner	<i>Willimantic, Conn.</i>	473 H.
Lawrence Supove	<i>Middletown, Conn.</i>	26, 128 High st.
Dewitt Elisha Taylor	<i>Detroit, Mich.</i>	450 FW.
Max Taylor	<i>Cos Cob, Conn.</i>	12 B.M.H.
William Andrew Ten Eick	<i>New York City</i>	407 B.
Eliam Barney Thacker	<i>Dayton, Ohio</i>	101 V-S.
Williams Howard Holland Thomas	<i>New York City</i>	81 Thomas st., West Haven
John Dutton Thoms	<i>Waterbury, Conn.</i>	451 FW.
Clifton Samuel Thomson	<i>New York City</i>	382 WH.
Edward Kleinhaus Titus	<i>Newtonville, Mass.</i>	430 FW.
Felix Francis Tomaino	<i>Danbury, Conn.</i>	166 V-S.
Edward Traurig	<i>Waterbury, Conn.</i>	337 WH.
Mead Treadwell	<i>Poughkeepsie, N. Y.</i>	332 WH.

Amos Sherman Treat	Bridgewater, Conn.	82 Wall st.
Albert Trepel	New York City	5-6 HW.
Rudolf Lang Tulloch	Orange, N. Y.	366 WH.
Edgar Tullock	New Haven, Conn.	435 FW.
Frank Day Tuttle, Jr.	New York City	368 WH.
Morris Tyler	New Haven, Conn.	479 H.
Robert James Ullman	White Plains, N. Y.	496 H.
Joseph Jacob Ulmer	Pottsville, Pa.	162 V-S.
John Lispernard Underhill	Warsaw, N. Y.	140 V-S.
Charles Hiram Upson	Waterbury, Conn.	3 HW.
Richard Ferguson VanAlstyne	Albany, N. Y.	111 V-S.
William Meadon VanAntwerp	Albany, N. Y.	473 H.
Albert VanderVeer, 3d	Albany, N. Y.	473 H.
James Sipple VanLeuvan	Yalesville, Conn.	Yalesville
George Karl VonMaur	Davenport, Iowa	486 H.
Karl Godfrey vonPlaten	Grand Rapids, Mich.	425 FW.
Edwin Hale Voorhees	New Haven, Conn.	623 Elm st.
Frank Arthur Vosburgh, Jr.	Orange, N. Y.	140 V-S.
William Wallace Vosburgh	Sewickley, Pa.	371 WH.
George Edward Wajdowicz	Derby, Conn.	117 Main st., Derby
Justus Ingersoll Wakelee, Jr.	Englewood, N. Y.	17 Hillhouse ave.
Carleton Barnes Walbridge	Toledo, Ohio	166 V-S.
Millard Aaron Waldheim	St. Louis, Mo.	124 V-S.
Charles Lester Walker	Cbelsea, Mass.	375 WH.
James Hasbrouck Wallace	Brooklyn, N. Y.	13 B.M.H.
William James Warner	St. Paul, Minn.	431 FW.
Parker Hyde Warren	New York City	31, 128 High st.
Paul Ralston Watkins	Bloomington, Ill.	334 Crown st.
Frank Overton Watts	St. Louis, Mo.	170 V-S.
Theodore Ward Webber	Galatia, Ill.	336 WH.
Abraham Weinstein	Syracuse, N. Y.	4 HW.A.
Nathan Weisenfeld	Hartford, Conn.	311 York st.
David Weiss	Bridgeport, Conn.	851 Wordin ave., Bridgeport
Charles Bradford Welles	Hartford, Conn.	413 B.
Roger P. Welles	Hartford, Conn.	445 FW.
Stephen Morgan Wells	Bristol, Conn.	184 V-S.
Thomas Bucklin Wells, 2d	Minneapolis, Minn.	166 V-S.
Owen Augustus West	Cbicago, Ill.	373 WH.
Worthington Lapham Westfall	Newton Center, Mass.	19-20 HART
Donald Salisbury Westfall	Avon, N. Y.	420 B.
Spencer Herbert Whedon	Medina, N. Y.	505 H.
Thomas Shoemaker White	New York City	470 FW.
Willard Stoughton White	New Haven, Conn.	111 Grove st.
Myles Whiting	Newport, R. I.	409 B.
Bernard Wiess	New Haven, Conn.	190 Ellsworth ave.
Ira Edward Wight, Jr.	St. Louis, Mo.	358 WH.
Harry Anderson Wilcox, Jr.	Hartford, Conn.	129 V-S.
Russell Henry Wilde	Belleville, N. Y.	451 FW.

John McGregor Willits	<i>Higbland Park, Ill.</i>	145 v-s.
William Holland Wilmer, Jr.	<i>Washington, D. C.</i>	453 FW.
Hugh Robert Wilson	<i>Lake Forest, Ill.</i>	485 H.
Henry Haven Windsor, Jr.	<i>Evanston, Ill.</i>	108 v-s.
Harold Witt	<i>New Haven, Conn.</i>	544 Elm st.
Robert Bringhurst Wittenberg	<i>New Rochelle, N. Y.</i>	4 B.M.H.
Charles Daniel Wolverson	<i>Noank, Conn.</i>	• 364 WH.
Howard Asa Wood	<i>McMinnoville, Ore.</i>	464 FW.
Lloyd Merton Woodward	<i>Meriden, Conn.</i>	184 v-s.
Samuel Austin Woodward	<i>Danielson, Conn.</i>	
	67 Smith st., West Haven	
Charles Lorenzo Woody, Jr.	<i>Brooklyn, N. Y.</i>	146 v-s.
George Magee Wyckoff	<i>Buffalo, N. Y.</i>	485 H.
Theodore Hyman Yaffe	<i>New Haven, Conn.</i>	191 Ward st.
Thomas Austin Yawkey	<i>New York City</i>	334 WH.
Philip Edmund Yeaton	<i>Amesbury, Mass.</i>	184 v-s.
Samuel Albert York, Jr.	<i>New Haven, Conn.</i>	438 FW.
Charles Willard Young, Jr.	<i>South Orange, N. J.</i>	21-22 HART
Francis Little Young	<i>Bay City, Mich.</i>	102 v-s.
Ledlie Watt Young	<i>Sewickley, Pa.</i>	494 H.
Harry Martin Zimmerman	<i>New Haven, Conn.</i>	77 Orchard st.
	TOTAL, 684	

SCHOOL OF MEDICINE

FOURTH YEAR

Herman Joseph Blumenthal, B.A. Yale University 1919	Ansonia, Conn.	N. H. Dispensary
Walter James Craig, C.E. Rensselaer Polytechnic Institute 1910	Albany, N. Y.	330 Cedar st.
Joseph Theodore Eagan, B.A. Yale University 1917	New Haven, Conn.	457 Ferry st.
Louis Errico, B.A. Yale University 1918	New Haven, Conn.	82 Cove st.
Barnett Greenhouse, PH.B. Yale University 1918	New Haven, Conn.	28 Hallock st.
Arthur Sheldon Griswold, B.A. Yale University 1918	New Haven, Conn.	430 George st.
Julian Bertram Herrmann, PH.B. Yale University 1917	New Haven, Conn.	194 Lawrence st.
Axel Magnus Hjort, B.A. University of Illinois 1914, M.S. 1915, PH.D. Yale University 1918	New Haven, Conn.	71 College st.
Alfred Labensky	New London, Conn.	137 Mansfield st.
James Sebastian McCarthy, B.A. Yale University 1919	New Haven, Conn.	30 Lines st.
Frank Leonard Polito, PH.B. Yale University 1917	New Haven, Conn.	60 Williams st.
Richard Woollard Pullen, B.S. University of Wisconsin 1919	North Fond du Lac, Wis.	162 York st.
William Yohannan Sayad, B.S. Davidson College 1917	Urumiab, Persia	162 York st.
Henricus Johannes Stander, B.A. South African College 1913, M.S. University of Arizona 1916	Diep River, Capetown, South Africa	430 George st.
Chester Montague VanAllen, B.A. Yale University 1918	New Haven, Conn.	430 George st.
Ella Clay Wakeman, B.A. Wellesley College 1916	New Haven, Conn.	181 Edwards st.
Henry Fielding Wilkinson, B.S. Dartmouth College 1919	New Haven, Conn.	430 George st.

FOURTH YEAR, 17

THIRD YEAR

Henry Francis Farrell, PH.B. Yale University 1919	New Haven, Conn.	201 Putnam st.
James Joseph Fleming, PH.B. Yale University 1918	New Haven, Conn.	333 York st.
Maurice Grozin, B.A. Adelbert College 1917	Cleveland, Ohio	195 Ward st.
Benedict Richard Harris, PH.B. Yale University 1919	New Haven, Conn.	185 Franklin st.

Jesse Samuel Harris, B.A. Yale University 1917	New Haven, Conn.	185 Franklin st.
Chester Ezekiel Hurwitz, B.A. Johns Hopkins University 1917	Baltimore, Md.	53 Sylvan ave.
Robert Kapsinow, PH.B. Yale University 1919	New Haven, Conn.	152 Minor st.
Helen Parthenay Langner, B.A. Hunter College 1914	Milford, Conn.	1 Prospect st., Milford
Mathilde Loth, B.A. Smith College 1917	New York City	415 George st.
Maurice Francis O'Connell, B.A. Yale University 1919	New Haven, Conn.	834 State st.
Mariano Louis Riccitelli, PH.B. Yale University 1918	New Haven, Conn.	35 Silver st.
Henry Brock Rollins, B.S. Dartmouth College 1920	Granby, Conn.	142 York st.
Ephraim Shorr, B.A. Yale University 1919	New Haven, Conn.	789 Grand ave.
Tadayoshi Tamura University of Missouri 1916-18	Paubau, H. T.	430 George st.
Alfred Maurice Wakeman, B.A. Yale University 1919	New Haven, Conn.	181 Edwards st.
Edward Taylor Wakeman, B.A. Yale University 1919	New Haven, Conn.	181 Edwards st.

THIRD YEAR, 16

SECOND YEAR

Frank Gabriel Amatruda, B.A. Yale University 1920	New Haven, Conn.	306 Exchange st.
John Livingston Burisch, B.A. Wesleyan University 1919	Elizabeth, N. J.	162 York st.
Thomas Jackson Charlton, Jr., B.A. Yale University 1917	Savannah, Ga.	219 York st.
William Cohen, PH.B. Yale University 1920	New Haven, Conn.	210 Wolcott st.
Alfred Charles Dreher Joseph Epstein, PH.B. Yale University 1920	Waterbury, Conn. New Haven, Conn.	430 George st. 835 Yale P. O.
George Harold Gildersleeve, PH.B. Brown University 1919	Norwich, Conn.	430 George st.
Edward Glazer, PH.B. Yale University 1920	New Haven, Conn.	4 Dwight st.
George Way Harley, B.A. Trinity College 1916	Piedmont, S. C.	156 B.M.L.
Charles Herbert Haskins John Louis Jackowitz, B.S. Rhode Island State College 1915	Granville, Ohio East Providence, R. I.	351 Orange st. 347 Orange st.
John Paul Jaffarian Joseph Andrew Johnston, B.A. Yale University 1920	Troy, N. Y. New Haven, Conn.	31 Read st. 490 Howard ave.

Samuel Karelitz, Jr., PH.B. Yale University 1920	Hartford, Conn.	67 Grove st.
Austin Kilbourn, B.A. Yale University 1911	Hartford, Conn.	820 M.Q.
Theodore Lint Gordon Bostwick Maurer, PH.B. Yale University 1920	Belle Harbor, L. I., N. Y.	333 Crown st.
Jacob Mellion, PH.B. Yale University 1919	New Haven, Conn.	185 Howard ave.
Simon Moore, B.A. Yale University 1919	New Haven, Conn.	95 Prince st.
Julius Anthony Olean, PH.B. Yale University 1920	New Haven, Conn.	736 Orange st.
Robert Hunter Osmond, Jr., PH.B. Yale University 1917	South Norwalk, Conn.	430 George st.
Lewis Everett Persoff, PH.B. Yale University 1918	New Haven, Conn.	222 Main st., West Haven
Charles John Satti, Jr. William Joseph Sheehan, PH.B. Yale University 1917	New Haven, Conn.	42 Ellsworth ave.
Jacob Bernard Sigal, B.S. Trinity College 1919	New London, Conn.	291 York st.
Harry Sneiderman, PH.B. Yale University 1919	New Haven, Conn.	105 Avon st.
Carnes Weeks, PH.B. Yale University 1920	Hartford, Conn.	420 Temple st.
Hymen William Weinstein Francis VanVechten Wethey, B.A. Dartmouth College 1917	New Haven, Conn.	104 Rosette st.
Gustav Wilens, PH.B. Yale University 1920	Cedarhurst, N. Y.	90 Wall st.
	New Haven, Conn.	157 Greenwood st.
	Hanover, N. H.	162 York st.
	Hartford, Conn.	333 York st.

SECOND YEAR, 30

FIRST YEAR

Benjamin Samuel Abeshouse Edward Pratt Allen, B.A. Lebanon Valley College 1920	New Haven, Conn.	216 Oak st.
Richard Cotter Buckley, B.S. Trinity College 1920	Pomfret, Conn.	165 York st.
James Edward Carroll, B.S. Colgate University 1920	Hartford, Conn.	426 George st.
Donato Anthony D'Esopo, PH.B. Yale University 1920	New Haven, Conn.	30 Winchester ave.
Christopher Edward Dwyer, B.A. Holy Cross College 1920	Hartford, Conn.	250 Crown st.
Morris Lincoln Fisher, B.A. Yale University 1920	Waterbury, Conn.	153 York st.
David Freeman, PH.B. Yale University 1920	Jersey City, N. J.	1201 Chapel st.
Jacob Joseph Goldenberg	New Haven, Conn.	235 Congress ave.
	Hartford, Conn.	157 Greenwood st.

Morris Goldstein	Newark, N. J.	135 Congress ave.
Edward Scott Goodwin, B.A.	Albany, N. Y.	251 Crown st.
Yale University 1919		
Edward Morris Gould	Hartford, Conn.	67 Grove st.
Crawford Griswold	Hartford, Conn.	162 York st.
Joseph Anthony Groark, B.A.	New Haven, Conn.	539 Ferry st.
Holy Cross College 1920		
Leslie Anton Homrich	Galena, Ill.	51 Trumbull st.
Max Horn	New Haven, Conn.	180 Putnam st.
Mary Pauline Jeffery, B.A.	Oberlin, Ohio	395 Howard ave.
Oberlin College 1916		
Raymond Starkey Keefe, B.A.	Hartford, Conn.	153 York st.
Holy Cross College 1920		
James White Knapp, B.A.	Paterson, N. J.	1219 T.
Yale University 1916		
George McLean Lawson	Middle Haddam, Conn.	426 George st.
Edward Phillips Levine	New Haven, Conn.	107 Ivy st.
Simon Daniel Levy, PH.B.	New Haven, Conn.	70 White st.
Yale University 1920		
John Francis Lynch	Norwich, Conn.	712 M.Q.
Leo F. McAndrews, B.A.	Coaldale, Pa.	200 York st.
Holy Cross College 1920		
Vincent Francis Mendillo	New Haven, Conn.	48 Wooster st.
Raymond Barnard Miles	Brooklyn, N. Y.	162 York st.
John McKenney Mitchell, B.A.	Centreville, Md.	219 York st.
Trinity College 1920		
Gretchen Moeller, B.A.	Circleville, Ohio	856 Howard ave.
Western College 1913		
Aaron Moore	New Haven, Conn.	736 Orange st.
Benson Joseph O'Grady, B.A.	Florence, Mass.	153 York st.
Holy Cross College 1920		
Robert Benjamin Pastor	Hartford, Conn.	327 Edgewood ave.
Emily Pierson, B.A.	Cromwell, Conn.	Cromwell
Vassar College 1907		
Silik Herman Polayes	New Haven, Conn.	69 Arch st.
John Francis Preston, B.S.	Monessen, Pa.	142 L.
Allegheny College 1920		
David Michael Raskind	Bridgeport, Conn.	40 Lake pl.
Gerard Briscoe Robinson	Mt. Gilead, Ohio	196 F.
Bernhard Albert Rogowski, PH.B.	New Haven, Conn.	762 Orange st.
Yale University 1920		
Morris Loeb Rothchild, PH.B.	New Haven, Conn.	220 Crown st.
Yale University 1919		
Eli Hymen Rubin	New Haven, Conn.	37 Eaton st.
Meyer A. Sallick	East Norwalk, Conn.	426 George st.
Abraham Maurice Schaefer	New Britain, Conn.	123 Wall st.
Francis Leo Shay	New Haven, Conn.	32 Whittlessey ave.
Eli Yale Shorr	New Haven, Conn.	787 Grand ave.
Morris Slater, PH.B.	New Haven, Conn.	35 Vernon st.
Yale University 1919		

Norman Nathaniel Smith	<i>New Haven, Conn.</i>	17 Daggett st.
R. Wallace Smith, B.S.	<i>Stamford, Conn.</i>	124 Wall st.
Cornell University 1920		
Marion Elizabeth Snively, B.A.	<i>West Haven, Conn.</i>	
Mount Holyoke College 1917	546 Washington ave., West Haven	
Jacob Soifer	<i>Hartford, Conn.</i>	1188 T.
Benjamin Styring	<i>Southington, Conn.</i>	Southington
Stanley Leo Sullivan, B.A.	<i>Plainfield, Conn.</i>	153 York st.
Holy Cross College 1920		
Jack Sweedler	<i>New Haven, Conn.</i>	607 Elm st.
Pieter Johannes Vivier	<i>South Africa</i>	198 Hamilton st.
Harold Theodore Vogel, PH.B.	<i>New Haven, Conn.</i>	151 Putnam st.
Yale University 1920		
Israel Weinraub	<i>East Lyme, Conn.</i>	1158 T.
Henry Lane Williams, Jr.	<i>Minneapolis, Minn.</i>	725 M.Q.

FIRST YEAR, 55

SUMMARY

FOURTH YEAR CLASS	17
THIRD YEAR CLASS	16
SECOND YEAR CLASS	30
FIRST YEAR CLASS	55
TOTAL	118

DIVINITY SCHOOL

GRADUATE CLASS

Hooker-Dwight Fellows for the Year 1920-21

Rees Higgs Bowen, B.D. Yale University 1920	<i>Ammanford, Carmarthens, Wales</i> London University, London, England
Dryden Linsley Phelps, B.A. Yale University 1917, B.D. Yale University 1920	<i>Waterville, Maine</i> Queen's College, Oxford, England

Adam Alles, B.A. Colorado State Teachers College 1917, B.D. Oberlin School of Theology 1920	<i>Greeley, Colo.</i> 583 Orange st.
Robert Lowry Calhoun, B.A. Carleton College 1915, B.D. Yale University 1918	<i>New Haven, Conn.</i> 1216 T.
Mearl Peter Culver, B.A. Albion College 1917, M.A. Columbia University 1920, S.T.B. Union Theological Seminary 1920	<i>New Haven, Conn.</i> 60 Edwards st.
Wesley Clifton Davis, B.A. Emory University 1917, B.D. 1920	<i>Bolingbroke, Ga.</i> 1192 T.
Jacob Philip dePinto, B.A. Richmond College, B.D. Wesley Theological College 1920	<i>Ratgama, Dodanduwa, Ceylon</i> 1210 T.
Peter Siebert Goertz, B.A. McPherson College 1914, B.D. Yale University 1917	<i>New Haven, Conn.</i> 1209 T.
Gerald Ray Jordan, B.A. Trinity College 1917, B.D. Emory University 1920	<i>Kinston, N. C.</i> 1192 T.
William Rockwell Leete, B.A. Yale University 1908, B.D. Union Theological Seminary 1912	<i>New Haven, Conn.</i> 6 Barnett st., Westville, Conn.
John Pounder, B.D. Yale University 1917	<i>Durham, England</i> 1124 E.
Luther Winfield Stalnaker, B.A. Drake University 1920	<i>Fort Scott, Kans.</i> 591 Campbell ave., West Haven, Conn.

GRADUATE CLASS, 12

SENIOR CLASS

Joseph Darden Armistead, B.A. Kentucky University 1902, M.A. Transylvania University 1903	<i>Cynthiana, Ky.</i> 1198 T.
Joseph Edmund Barker, B.A. Yale University 1918	<i>Troy, Pa.</i> 1143 E.

David Nelson Beach, B.A. Yale University 1916	Bangor, Maine	Guilford, Conn.
Clyde Columbus Clark, B.A. Millsaps College 1915, B.D. Emory University 1920	Hattiesburg, Miss.	17 Grafton st.
Harvey Atkinson Cox, B.A. University of North Carolina 1918	Chapel Hill, N. C.	1181 T.
William Albert Dalton, B.A. Des Moines Baptist College 1914	Birmingham, England	1162 T.
Hubert Noland Dukes, B.A. Wofford College 1915	Sandersville, Ga.	1138 E.
Ralph W. Everroad, B.A. Moravian College 1918	Hope, Ind.	1140 E.
Peter E. Frantz, B.A. Bethel College 1919	Orienta, Okla.	1180 T.
Clifford Harry French, B.A. Central College 1917	Cairo, Mo.	1134 E.
Winfred Ernest Garrick, S.T.B. Lincoln University 1919	Jamaica, B. W. I.	1212 T.
Oswald John Goulter, B.A. Phillips University 1919	Victoria, Australia	1153 E.
Frederic William Hagan, B.A. Des Moines College 1916	Truro, Iowa	1102 E.
Abraham John Harms, B.A. McPherson College 1917	Hillsboro, Kans.	1162 T.
Ralph Orin Harpole, B.A. Christian University 1915, M.A. Christian University 1916	Nebo, Ill.	248 York st.
Edwin Roy Holden, B.A. Wesleyan University 1918	Hackettstown, N. J.	1129 E.
John Walter Houck, B.A. Findlay College 1918	Enbani, Pa.	1164 T.
Hjalmar Wilhelm Johnson, B.A. Gustavus Adolphus College 1917	Superior, Wis.	1133 E.
Hayao Kashiwagi, B.A. Oberlin College 1918	Gumma-Ken, Japan	1139 E.
Hal Thurman Kearns, B.S. St. Lawrence University 1915, B.D. Canton Theological School 1917	Bridgeport, Conn. 1186 Park ave., Bridgeport	
James Henry McCallum, B.A. University of Oregon 1918	Seattle, Wash.	1208 T.
William Hodge McCance, B.A. Yale University 1918	New Haven, Conn.	294 Lawrence st.
Elmore McNeill McKee, B.A. Yale University 1919	New Haven, Conn.	107 Avon st.
Clarence Ebenezer Victor Nathanielsz, B.H. Springfield Y. M. C. A. College 1911	Maradana, Columbo, Ceylon 65 Shepard st., Morris Cove, Conn.	
Frank Marion Pope, B.A. Wabash College 1920	Detroit, Mich.	1130 E.
Wilfred Evans Powell, B.A. Phillips University 1919	Dunedin, New Zealand	1153 E.

Samuel Leslie Reid, B.A. University of North Carolina 1918	Lowell, N. C.	1179 T.
Charles Edwin Reidt, B.A. Northwestern College 1916	Detroit, Mich.	Stony Creek, Conn.
Frank Tilghman Rhoad, B.A. Beloit College 1919	Trenton, N. J.	1173 T.
Jonathan David Schmidt, B.A. McPherson College 1918	McPherson, Kans.	964 Yale P. O.
Alva Hobart Sholty, B.A. Otterbein College 1917	Claypool, Ind.	395 Temple st.
Harry Denman Smith, B.A. Kansas State University 1887, M.A. Transylvania University 1903	East Enid, Okla.	187 Lawrence st.
Raymond Wendell Steiner, B.A. Findlay College 1911	Mt. Cory, Ohio	355 Crown st.
Coovirt Richard Thomas, B.A. Findlay College 1918	McComb, Ohio	1164 T.
Mehran Kafafian Thomson, B.A. Wesleyan University 1917	Paterson, N. J.	1125 E.
Jesse Rodman Wilson, B.A. University of Texas 1915	Nacogdoches, Texas	1142 E.
Paul Austin Wolfe, B.A. Carleton College 1918	Overland Park, Kans.	1126 E.

SENIOR CLASS, 37

MIDDLE CLASS

Eugene Garret Bewkes, B.S. Colgate University 1919	Paterson, N. J.	274 Dwight st.
Lenn Andrew Brumbaugh, B.A. Cotner College 1916	Chester, Nebr.	1127 E.
Reuben Arthur Bryngelson, B.A. Carleton College 1916	Hastings, Minn.	1123 E.
Francis P. Buller, B.A. McPherson College 1919	Bradshaw, Nebr.	148 Clifton st.
Allan Knight Chalmers, B.A. Johns Hopkins University 1918	Baltimore, Md.	1173 T.
Guy Winston Churchill, B.M. Central College 1912	Monroe, Iowa	1131 E.
Albert Buckner Coe, B.A. Western Maryland College 1909	Baltimore, Md.	B.M.H.
Walter Stanley Collins, B.A. Hiram College 1918	Sidney, Ohio	1423 Yale P. O.
Francis Trowbridge Cooke, B.A. Amherst College 1920	Brooklyn, N. Y.	1128 E.
William Henry Covert, B.P. Greer College 1910	Beacon, N. Y.	1195 T.
Milton Stacey Czatt, B.A. Otterbein College 1916	Tappan, Ohio	1163 T.
Lawrence Dry, B.A. Cotner University 1915	Chester, Nebr.	133 Howe st.

Harry Kelse Eversull	<i>St. Louis, Ill.</i>	
Edwin Bennett Flory, B.A.	50 High st., East Haven, Conn.	
Defiance College 1913,	<i>Stanfordville, N. Y.</i>	1184 T.
M.A. Defiance College 1914		
Harding Woods Gaylord, B.A.	<i>Worcester, Mass.</i>	93 Norton st.
Clark College 1912		
William Marvin Gibson, B.D.	<i>Henderson, Ky.</i>	1151 E.
Howard University 1920		
Howard Scott Hardcastle, B.A.	<i>Dover, Del.</i>	1183 T.
Elon College 1919		
Thomas Fred Higgins, B.A.	<i>Bald Creek, N. C.</i>	1199 T.
Trinity College 1920		
Clifford William Hutchings	<i>Montreal, Canada</i>	1146 E.
Philip Cowell Jones, B.S.	<i>Union, N. H.</i>	
New Hampshire College 1913,	21 Cook av., Meriden, Conn.	
B.S. Springfield Y. M. C. A. College 1915		
William Alonzo Knight, B.A.	<i>Bethany, Nebr.</i>	109 York st.
Cotner University 1917		
Jesse Herbert Lanning, B.A.	<i>Linwood, N. C.</i>	1199 T.
Trinity College 1919		
Benjamin Franklin Leach, B.A.	<i>Girard, Ohio</i>	133 Howe st.
Hiram College 1911		
Donald Anderson McGavran, B.A.	<i>Indianapolis, Ind.</i>	1208 T.
Butler College 1920		
Earl Franklin Nauss, B.A.	<i>Huntington, Ind.</i>	North Haven, Conn.
Huntington College 1917		
Emanuel Leopold Nowak	<i>Kansas City, Mo.</i>	1135 E.
Francis Wilson Price, B.A.	<i>Nanking, China</i>	1121 E.
Davidson College 1915		
Carl Newton Rexroad, B.A.	<i>Darlow, Kans.</i>	1119 E.
McPherson College 1918		
Arnt L. Schoning, B.A.	<i>Chicago, Ill.</i>	72 College st.
Carthage College 1918		
Daniel Walter Strickland	<i>New Haven, Conn.</i>	244 Edgewood ave.
William Ernest Sullens, B.A.	<i>Columbia, Mo.</i>	South Meriden, Conn.
Central College 1912		
Daniel Curtis Troxel, B.A.	<i>Bethany, Nebr.</i>	1127 E.
Cotner College 1912		
James Gary Ulmer, B.A.	<i>Ruffin, S. C.</i>	12 Sylvan ave.
Phillips University 1920		
Chwen Yung Wang, B.A.	<i>Szangbai, China</i>	1207 T.
University of Nanking 1915		
John Wilkins, B.D.	<i>New Haven, Conn.</i>	
Nashotah Theological Seminary 1909		182 West Rock ave.

MIDDLE CLASS, 35

JUNIOR CLASS

John Vermillion Barrow, B.A. University of Texas 1915	<i>Austin, Texas</i>	1144 E.
Edwin Ney Bruce, B.A. Hendrix College 1920	<i>Texarkana, Ark.</i>	1161 T.
Leonard Hathaway Caldwell, PH.B. Yale University 1915	<i>Portland, Maine</i>	1131 E.
William David Carroll, B.A. Findlay College 1920	<i>Celina, Ohio</i>	1194 E.
Peter Cooper, B.A. Hope College 1920	<i>Passaic, N. J.</i>	1156 T.
Woolsey Ernest Couch, B.A. Johnson Bible College 1916	<i>Butler, Ind.</i>	1211 T.
John Bruce Dalton, B.A. Christian University 1916	<i>North English, Iowa</i>	1204 T.
Hayes Farish, B.A. Atlantic Christian College 1914	<i>Washington, D. C.</i>	1195 T.
Eugene Houston Farmer, B.A. Central College 1920	<i>Caledonia, Mo.</i>	1136 E.
John Clyde Forney, B.A. McPherson College 1919	<i>McPherson, Kans.</i>	148 Clifton st.
Herbert Leopold Herberts Clyde Carney Johnson, B.A.	<i>New York City</i>	1213 T.
Elon College 1914, M.A. Elon College 1915	<i>Elon College, N. C.</i>	1205 T.
Robert Masataka Kamide, B.D. Doshisha University 1918	<i>Sakasbita-mura, Tosbiki-gun, Japan</i>	1175 T.
Nishan Mugurdich Karajian, B.A. Euphrates College 1912	<i>Harpout, Armenia</i>	1206 T.
William Theodore Knapp, B.A. Union College 1920	<i>Rutland, Vt.</i>	1156 T.
Ivan Louis Lange, B.A. University of Wisconsin 1920	<i>Cedarburg, Wis.</i>	1166 T.
Peter Wei Lin Jess Herman Noerenberg, B.A.	<i>Nanking, China</i>	1121 E.
University of Nebraska 1920	<i>Norfolk, Nebr.</i>	1166 T.
Harry Leavitt Potts, B.A. Bates College 1920	<i>Lynn, Mass.</i>	1145 E.
Eugene Huff Rainey, B.A. Elon College 1920	<i>La Crosse, Va.</i>	1184 T.
Ivan Seymour Rossiter Louis Clarence Schroeder, B.A.	<i>Medicine Hat, Alta., Canada</i>	1165 T.
Central Wesleyan College 1920	<i>Moscow Mills, Mo.</i>	1165 T.
Abraham Segal Ferris J. Stephens, B.A.	<i>Fiskdale, Mass.</i>	1195 T.
Butler College 1915	<i>Connersville, Ind.</i>	
Richard Don Swinney, B.A. Central College 1920	<i>R. F. D. 3, North Haven, Conn.</i>	
Clayton Morey Wallace, B.A. Dartmouth College 1920	<i>Windsor, Mo.</i>	1137 E.
	<i>Wolfeboro, N. H.</i>	1204 T.

Roy Merrill Wingate, B.A.
Central College 1920

Hamburg, Iowa

1136 E.

JUNIOR CLASS, 27

STUDENTS PURSUING RESIDENT STUDY NOT LEADING TO A
DEGREE

Louis Baier	Chicago, Ill. 238 Remington st., Bridgeport, Conn.
Nannie E. Bramlet	New Haven, Conn. 576 George st.
Peter Lawson Cosman	New Haven, Conn. 145 Blatchley ave.
Ruth Josephine Doolittle	New Haven, Conn. 576 George st.
Evelyn Francis Fales	New Haven, Conn. 576 George st.
Frank Martin Gracey	Milford, Conn. 19 Thompson st., Milford
Harold Ernest Hamilton, B.A.	Chicago, Ill. 80 Sherman ave.
Oberlin College 1919	
Duane Spencer Hatch, B.S.	New Haven, Conn. 52 Howe st.
Cornell University 1915, M.S. 1916	
Julius Kaaz	New Haven, Conn. 12 Broad st.
Adolph Max Krahl	New Haven, Conn. 98 Lilac st.
Richard Leonard Lovell, PH.B.	New Haven, Conn. 33 Howe st.
Yale University 1907, B.D. Yale University 1915	
Louis Leopold Mann, PH.D.	New Haven, Conn. 92 Linden st.
Yale University 1920	
Oscar Edward Maurer, B.D.	New Haven, Conn. 311 Temple st.
Yale University 1906, M.A. 1906	
Joseph Bowers Palmer	Hartford, Conn. Y. M. C. A., Hartford
Orville Anderson Petty, PH.D.	New Haven, Conn. 395 Edgewood ave.
Yale University 1915	
Harry W. Potter	New Haven, Conn. 52 Howe st.
Marenda E. Prentis	New Haven, Conn. 576 George st.
Paul C. Reddick	New Haven, Conn. 23 Beers st.
Joseph Pearl Seitters, B.P.E.	New Haven, Conn. 52 Howe st.
Chicago Y. M. C. A. College 1916	
Alice Priscilla Stanton	New Haven, Conn. 576 George st.
Theodore P. Stephens	New Haven, Conn. 874 Quinnipiac ave.
Elsie F. Stowe	New Haven, Conn. 576 George st.
William H. Wakeham, B.D.	New Haven, Conn. 315 Whalley ave.
Syracuse University 1893, M.A. 1896	
Ned D. Webber	Bridgeport, Conn. 2773 Fairfield ave., Bridgeport
Frederick Weber, B.P.E.	West Haven, Conn.
Springfield Y. M. C. A. College 1920	30 Spring st., West Haven
Evelyn Engel Wich	New Haven, Conn. 198 Hamilton st.

TOTAL, 26

SUMMARY

GRADUATE CLASS	12
SENIOR CLASS	37
MIDDLE CLASS	35
JUNIOR CLASS	27
STUDENTS NOT CANDIDATES FOR A DEGREE	26
STUDENTS FROM OTHER DEPARTMENTS	29
	<hr/>
TOTAL	166

SCHOOL OF LAW

GRADUATE CLASS

Evangelina Victoria Allen, B.A. University of Alberta 1918, J.D. University of Chicago 1920	<i>Olds, Alta., Canada</i>	31 Trumbull st.
Sidney Allenberg, B.A. University of Tennessee 1918, LL.B. University of Tennessee 1920	<i>Memphis, Tenn.</i>	74 Wall st.
Carl Crittenden Clark United States Naval Academy 1908, J.D. University of Oregon 1920	<i>Clarksville, Texas</i>	333 York st.
†John Main Coffee, LL.B. University of Washington 1920	<i>Tacoma, Wash.</i>	70 Trumbull st.
Buel Goldman, B.A. Indiana University 1918, LL.B. Indiana University 1920	<i>Monroe City, Ind.</i> 165 William st., West Haven, Conn.	

GRADUATE CLASS, 5

THIRD YEAR CLASS

Charles Herbert Authier, B.A. Assumption College 1917	<i>Webster, Mass.</i>	86 Whalley ave.
Raymond Earl Baldwin, B.A. Wealeyan University 1916	<i>Middletown, Conn.</i>	80 Wall st.
Hugh Herbert Barber, B.A. University of Minnesota 1918	<i>Minneapolis, Minn.</i>	80 Wall st.
Herman Abraham Bettigole, B.A. Yale University 1919	<i>New Haven, Conn.</i>	173 Edgewood ave.
Isaac Anderson Bowles, B.A. University of Kentucky 1919	<i>Richmond, Ky.</i>	132 Howe st.
Arthur Frank Brown, B.A. Amherst College 1919	<i>New Haven, Conn.</i>	80 Wall st.
Charles Severin Bushman, B.A. Indiana University 1917	<i>Indianapolis, Ind.</i>	71 College st.
Hugh Nelson Caldwell, B.A. College of Idaho 1917	<i>Caldwell, Idaho</i>	80 Wall st.
Matthew McClung Campbell, B.S. Vanderbilt University 1918	<i>Nashville, Tenn.</i>	333 York st.
James Edward Cannon, B.A. Holy Cross College 1917	<i>Windsor Locks, Conn.</i>	119 Wall st.
Benjamin Waite Case, Jr., PH.B. Yale University 1913	<i>Wakefield, R. I.</i>	371 Crown st.
Cassius Marcellus Clay, B.A. Yale University 1918	<i>Paris, Ky.</i>	107 Avon st.
John Lawrence Collins, B.A. Yale University 1920	<i>New Haven, Conn.</i>	33 Elizabeth st.
Joseph Hixon Colman, B.A. Yale University 1918	<i>LaCrosse, Wis.</i>	80 Wall st.

† Admitted to four-year course.

†Clifton Ellis Cooper	<i>Iowa City, Iowa</i>	333 York st.
Albert William Cretella, PH.B.	<i>New Haven, Conn.</i>	104 Hamilton st.
Yale University 1917		
†Lawrence Joel Eckstrom	<i>Worcester, Mass.</i>	113 College st.
Joseph Hoffman Edgar, B.A.	<i>New Brunswick, N. J.</i>	333 York st.
Rutgers College 1918		
Hazel Flagler, B.A.	<i>Brooklyn, N. Y.</i>	84 Trumbull st.
Vassar College 1918		
Alexander Hamilton Frey, B.A.	<i>Astoria, L. I., N. Y.</i>	333 York st.
Yale University 1919,		
M.A. Columbia University 1920		
John Lee Gaylord, B.A.	<i>Kansas City, Mo.</i>	84 Kensington st.
University of Missouri 1920		
Charles Jay Greenebaum, PH.B.	<i>Chicago, Ill.</i>	333 York st.
Yale University 1918		
Ufa Earl Guthrie, B.A.	<i>Indianola, Miss.</i>	1200 T.
University of Mississippi 1919		
Edward John Keane, B.A.	<i>New Haven, Conn.</i>	178 Blatchley ave.
Yale University 1918		
Edward Leo Kelly, B.A.	<i>Colchester, Conn.</i>	119 Wall st.
Holy Cross College 1916		
James Morris Kent, B.A.	<i>New Haven, Conn.</i>	736 Dixwell ave.
Yale University 1917		
Stuart LeFevre Lapp, B.A.	<i>Granville, Ohio</i>	631 Elm st.
Denison University 1916		
John Anson Markham, B.A.	<i>Hartford, Conn.</i>	9 Gillette st., Hartford
Wesleyan University 1917	<i>New Haven, Conn.</i>	256 Portsea st.
Samuel Markle, B.A.	<i>New Haven, Conn.</i>	613 Chapel st.
Yale University 1919		
Joseph John Massa, PH.B.	<i>New York City</i>	333 York st.
Yale University 1917		
Walter Mendelsohn, B.A.	<i>White Plains, N. Y.</i>	455 George st.
Yale University 1918		
Robert Ames Norton, B.A.	<i>New Haven, Conn.</i>	25 Whittlesey ave.
Yale University 1918		
Josephine Henson Powers, B.A.	<i>Fulton, Ky.</i>	379 Whalley ave.
Smith College 1907		
Ollie Clarence Reeves, B.S.	<i>New Haven, Conn.</i>	355 Winthrop ave.
Valparaiso University 1914, B.A. 1916		
John Thomas Reynolds, B.A.	<i>New Haven, Conn.</i>	333 York st.
Bowdoin College 1918		
Nathan Rubin, B.A.	<i>Harrisburg, Va.</i>	333 York st.
Yale University 1918		
Glenn Whitmore Ruebush, B.S.	<i>Whitneyville, Conn.</i>	Box 105, Whitneyville
University of Virginia 1920	<i>Bridgeport, Conn.</i>	245 Congress st., Bridgeport
Bertrand Benjamin Salzman, B.A.	<i>New Haven, Conn.</i>	650 Grand ave.
Yale University 1919		
James Coughlin Shannon, B.A.		
Georgetown University 1918		
Samuel Shapiro, B.A.		
Yale University 1919		

† Admitted without degree under war-service rule.

Clinton Everett Sherwood, B.A. Cornell University 1916	Southport, Conn.	333 York st.
Joseph A. Struett, B.A. University of Minnesota 1918	Perham, Minn.	1210 Chapel st.
Charles Phelps Taft, 2d, B.A. Yale University 1918	New Haven, Conn.	70 Grove st.
Kung Heng Tao, LL.B. Pei Yang University 1918	Chekian, China	25 Whalley ave.
Frank Douglass Taylor, B.S. Florida A. & M. College 1916	Dunnellon, Fla.	35 Dickerman st.
Walter France Torrance, B.A. Yale University 1919	Derby, Conn.	2 Valley View terrace, Derby
Abraham Vigodsky, M.A. Newberry College 1919	Newberry, S. C.	898 Yale P. O.
Edward Willard Warren, B.A. Yale University 1918	Scranton, Pa.	175 Elm st.
Joseph Weiner, B.A. Yale University 1919	New Haven, Conn.	26 Vernon st.
Arthur Bismarck Weiss, B.A. Yale University 1916	Bridgeport, Conn.	59 Carleton ave., Bridgeport
Joseph Jackson Willett, Jr., B.A. University of Alabama 1918	Anniston, Ala.	80 Wall st.

THIRD YEAR CLASS, 51

SECOND YEAR CLASS

Jasper Alston Atkins, B.A. Fisk University 1919	Winston-Salem, N. C.	1147 E.
Sherman Baldwin, B.A. Yale University 1919	New York City	107 Avon st.
Austin Dunham Barney, B.A. Yale University 1918	Farmington, Conn.	135 Whitney ave.
Albert Seymour Bill, B.A. Yale University 1918	Hartford, Conn.	333 York st.
William Lester Brody, B.A. Yale University 1920	New Haven, Conn.	402 Ferry st.
Bernard Brown, B.A. Yale University 1920	Paterson, N. J.	135 Wall st.
†Louis William Cappelli	Providence, R. I.	333 York st.
William John Carr, B.A. Yale University 1919	New Haven, Conn.	318 York st.
Isadore Chaplowe, PH.B. Yale University 1917	New Haven, Conn.	87 Asylum st.
Horace Lockwood Cook, B.A. University of Washington 1917	Aberdeen, Wash.	121 Wall st.
George Stronach Cormack, PH.B. Gregorian University (Rome) 1907	Milford, Conn.	The Milford School, Milford
Josiah Connie Covington, B.A. Vanderbilt University 1918	College Grove, Tenn.	1200 T.
Frank Crapanzano, PH.B. Yale University 1917	New Haven, Conn.	51 Vernon st.

† Admitted without degree under war-service rule.

James W. Crenshaw, B.S. University of Mississippi 1919, LL.B. University of Mississippi 1920	<i>Memphis, Tenn.</i>	883 Orange st.
John Anthony Danaher, B.A. Yale University 1920	<i>Meriden, Conn.</i>	124 High st.
Julien Townsend Davies, PH.B. Yale University 1917	<i>Babylon, N. Y.</i>	745 Orange st.
Alfred Edward DeCapua, PH.B. Yale University 1919	<i>New Haven, Conn.</i>	213 Blatchley ave.
Ganson Goodyear Depew, B.A. Yale University 1919	<i>Buffalo, N. Y.</i>	135 Whitney ave.
Thomas Weldon Donaghue, B.A. Yale University 1914	<i>Hartford, Conn.</i>	135 Capitol ave., Hartford
Herbert Sydney Duncombe, Jr., B.A. Yale University 1918	<i>New York City</i>	333 York st.
Frank William Dunn, B.A. Yale University 1920	<i>Bridgeport, Conn.</i>	173 Fairview ave., Bridgeport
Harold Cornelius Eagan, B.A. Yale University 1920	<i>New Haven, Conn.</i>	130 Osborn ave.
Joseph Vincent Esposito, M.D. Jefferson Medical College 1920	<i>New Haven, Conn.</i>	231 Greene st.
Ewing Everett, B.A. Yale University 1920	<i>Columbia, Tenn.</i>	333 York st.
Matilda Fenberg, B.A. University of Chicago 1911	<i>Findlay, Ohio</i>	23 Trumbull st.
Howard Tebbe Fleeson, B.A. Kansas University 1920	<i>Sterling, Kans.</i>	333 York st.
Henry Warren Fox, B.A. Yale University 1920	<i>Kansas City, Mo.</i>	333 York st.
John Henry Fox, Jr., B.A. Mississippi College 1918, LL.B. University of Mississippi 1920	<i>Clinton, Miss.</i>	313 Crown st.
Jeannette M. Fox, B.A. Cornell University 1919	<i>Buffalo, N. Y.</i>	84 Trumbull st.
Albert Bartholomew Gardella, B.A. Yale University 1918	<i>Ansonia, Conn.</i>	333 York st.
†William King Gardner	<i>St. Louis, Mo.</i>	745 M.Q.
Eugene John Gorman, PH.B. Georgetown University 1918	<i>Allentown, Pa.</i>	226 York st.
†James Gray	<i>New York City</i>	722 M.Q.
Ashbel Green Gulliver, B.A. Yale University 1919	<i>New Haven, Conn.</i>	256 Bradley st.
Waltman Hart, B.A. Pennsylvania State College 1919	<i>Sbenandoab, Pa.</i>	HW.
William Lawrence Hartman, Jr., B.A. Yale University 1919	<i>Pueblo, Colo.</i>	37 Trumbull st.
Israel Hillman, B.A. Yale University 1920	<i>New Haven, Conn.</i>	33 Norton st.
Horace Gaylord Hitchcock, B.A. Dartmouth College 1919	<i>Westport, Conn.</i>	333 York st.

† Admitted without degree under war-service rule.

Adolph Mason Hoenny, B.A. Washington University 1919	<i>St. Louis, Mo.</i>	80 Wall st.
Edwin Linus Holt, B.S. New Mexico College of Agriculture and Mechanic Arts 1916	<i>Las Cruces, N. Mex.</i>	333 York st.
Lawrence Branch Howard, B.A. Vanderbilt University 1920	<i>Nashville, Tenn.</i>	333 York st.
Che Chun Hsiang, B.A. Yale University 1920	<i>Changsha, China</i>	333 York st.
Thomas Ellis Lipscomb, B.S. Vanderbilt University 1917	<i>Nashville, Tenn.</i>	333 York st.
Alexander Lowenthal, B.A. Yale University 1920	<i>Newport, Ky.</i>	135 Wall st.
Harold Raymor Lundgren, B.A. Augustana College 1917	<i>Mt. Jewett, Pa.</i>	132 Howe st.
Russell J. McCaughey, B.A. University of Michigan 1920	<i>Chicago, Ill.</i>	370 Temple st.
James Michael McKeon, B.A. Yale University 1920	<i>New Haven, Conn.</i>	16 Wilson st.
†Paul Sargent McNett	<i>Evanston, Ill.</i>	43 Pendleton st.
†Karl Frederick Meyer	<i>Birmingham, Mich.</i>	1186 T.
Edwin French Morse, B.A. University of Wisconsin 1918	<i>Sauk Center, Minn.</i>	40 Lynwood pl.
Rudolph H. Nottelmann, B.A. Monmouth College 1912	<i>Monmouth, Ill.</i>	40 Lynwood pl.
James Jay O'Connor, B.A. Trinity College 1915	<i>New Haven, Conn.</i>	371 Crown st.
Paul Henry O'Connor, B.A. Yale University 1920	<i>New Haven, Conn.</i>	377 Shelton ave.
Philip E. Paine, B.A. College of Idaho 1919	<i>Caldwell, Idaho</i>	1488 Yale P. O.
Matthew W. Paxton, Jr., B.A., LL.B. Washington and Lee University 1920	<i>Lexington, Va.</i>	74 Wall st.
Charles Dewey Prutzman, B.A. Pennsylvania State College 1918	<i>Palmerton, Pa.</i>	132 Howe st.
Arthur Louis Puklin, B.A. Yale University 1919	<i>New Haven, Conn.</i>	12 Eld st.
Alfred Patterson Ramsey, B.A. Thiel College 1920	<i>Stacy, Minn.</i>	40 Lynwood pl.
William Abram Reiner, B.S. Trinity College 1919	<i>Bloomfield, Conn.</i>	371 Crown st.
†Ellsworth Alan Roberts	<i>Duluth, Minn.</i>	40 Lynwood pl.
Vincent Judson Rosecrans, B.A. University of Kansas 1920	<i>Winfield, Kans.</i>	333 York st.
Harry Schwolsky, B.S. Trinity College 1917	<i>Hartford, Conn.</i>	333 York st.
Vincent Aloysius Scully, B.A. Holy Cross College 1919	<i>Waterbury, Conn.</i>	1217 T.
Maurice Harry Segal, B.A. Columbia University 1919	<i>Worcester, Mass.</i>	333 York st.

† Admitted without degree under war-service rule.

‡ Admitted to four-year course.

Emanuel Sgutt, B.A. University of Minnesota 1920	Harvey, N. Dak.	68 Lake pl.
Earl Franklyn Shadrach, B.A. Ohio University 1920	Jackson, Ohio	333 York st.
§James Marion Snee	Newark, N. J.	8 Prospect pl.
Clarence Palmer Tenneson, B.A. University of Minnesota 1920	Fargo, N. Dak.	251 Crown st.
William Waller, B.S. Vanderbilt University 1918	Nashville, Tenn.	333 York st.
Charles Bernard Walsh, B.A. Yale University 1918	New Britain, Conn.	371 Crown st.
Warren Fay Wattles, B.A. University of Kansas 1918	Wichita, Kans.	1157 T.
Louis Weinstein, PH.B. Yale University 1919	New Haven, Conn.	392 George st.
John Francis Williams, PH.B. Yale University 1917	New Haven, Conn.	8 Garden st.

SECOND YEAR CLASS, 73

FIRST YEAR CLASS

Salvador Antonio Andretta, B.A. Dartmouth College 1920	Hartford, Conn.	74 Wall st.
William Douglas Arant, B.S., M.S. University of Virginia 1920	Opelika, Ala.	333 York st.
†George Black, Jr.	Portland, Ore.	333 York st.
James Edward Breslin, B.S. Trinity College 1919	Malden, Mass.	371 Crown st.
Harry Clement Brogan, B.A. Yale University 1920	Groton, Conn.	333 York st.
Alice Caroline Bugbee, B.A. Smith College 1917	Willimantic, Conn.	315 York st.
John Henry Burns, B.A. Catholic University 1920	Waterbury, Conn.	27 Elizabeth st., Waterbury
†Earley Emmett Caple	New Haven, Conn.	24 Dickerman st.
Edward Charles Carroll, B.A. Trinity College 1920	East Hartford, Conn.	371 Crown st.
Edward Leo Casey, B.A. Rutgers College 1920	Bridgeport, Conn.	120 Pequonnock st., Bridgeport
William Mallory Chamberlin, B.A. Yale University 1920	Hartford, Conn.	262 Kenyon st., Hartford
Charles Augustus Chandler, B.A. Fisk University 1920	Omaha, Nebr.	1147 E.
†Delos Allen Chappell	New York City	197 York st.
Louis Samuel Cohen, B.A. Trinity College 1920	Hartford, Conn.	120 Capitol ave., Hartford
Lewis Preston Collins, B.A. Washington and Lee University 1920	Marion, Va.	74 Wall st.

† Admitted without degree under war-service rule.

‡ Admitted to four-year course.

§ Academic work for degree completed.

Thomas Turner Cooke, B.CHEM. Cornell University 1917	Orange, N. J.	340 Edwards st.
John Edward Downey, B.A. Catholic University 1920	Wallingford, Conn.	6 Cherry st., Wallingford
Lawrence Clark Euwer, B.S. Pennsylvania State College 1918	Wilkesburg, Pa.	745 M.Q.
†Herman Arthur Goldstein Walter Rollins Gray, B.A. Tusculum College 1920	Minneapolis, Minn.	68 Lake pl.
James Donald Griffin, B.A. Niagara University 1920	Greenville, Tenn.	118 College st.
Reuben Grusky, PH.B. Yale University 1919	Wallingford, Conn.	38 Whittlesey ave., Wallingford
Hamilton Hadley, B.A. Yale University 1920	Newburg, N. Y.	1215 T.
†Wyatt Eugene Harper †Rufus Carrollton Harris	New Haven, Conn.	93 Whitney ave.
James Smith Hemingway, Jr., B.A. Yale University 1920	Saginaw, Mich.	295 Yale P.O.
Albert Morton Herrmann, PH.B. Yale University 1919	Monroe, Va.	89 Bristol st.
George James Jacob, B.A. Holy Cross College 1920	New Haven, Conn.	325 Temple st.
Harold Herman Kaufman, PH.B. Yale University 1920	New Haven, Conn.	194 Lawrence st.
Charles Bird Keach, PH.B. Brown University 1918	New Haven, Conn.	201 W. Park ave.
Eugene James Keefe, B.A. Holy Cross College 1920	New Haven, Conn.	333 Winthrop ave.
James Joseph Laden, B.A. Holy Cross College 1920	Providence, R. I.	333 York st.
†Augustin Leisner Edward James Lonergan, PH.B. Yale University 1917	New Haven, Conn.	289 Sherman ave.
Jay Thomas McCamic, B.A. Washington and Jefferson University 1919	Wallingford, Conn.	242 Ward st.
Leonard John McMahon, CH.E. Rensselaer Polytechnic Institute 1919	Chicago, Ill.	333 York st.
†Harry Cooper Mabry Ned Eric Ostmark, B.S. Washington and Jefferson University 1920	Hartford, Conn.	371 Crown st.
Howard Thomas Owens, B.A. Holy Cross College 1920	Wheeling, W. Va.	333 York st.
George Rachlin, B.S. Trinity College 1920	Danbury, Conn.	333 York st.
Oscar Optima Reser, B.A. University of Kansas 1917	Weatherford, Okla.	123 Wall st.
William Francis Robinson, Jr., B.A. University of Denver 1919	Washington, Pa.	333 York st.
	Bridgeport, Conn.	45 E. Eaton st., Bridgeport
	New Britain, Conn.	795 M.Q.
	Kansas City, Mo.	333 York st.
	Denver, Colo.	152 L.

† Admitted without degree under war-service rule.

‡ Admitted to four-year course.

Florence Rogatz, B.A. Hunter College 1920	New York City	548 Orange st.
Dolcey Jacinto Rosales, B.P.H. Colegio de San Pedro Claver 1918	Bridgeport, Conn.	333 York st.
Charles Jacob Rosenbloom, B.A. Yale University 1920	Pittsburgh, Pa.	135 Wall st.
Frank Rosoff, B.A. Yale University 1919	New Haven, Conn.	90 Park st.
Bernard Walker Sennett, B.A. Holy Cross College 1920	Erie, Pa.	1217 T.
†Louis Gordon Slutz	New York City	
Monta Colman Smithson, B.A. Yale University 1920	The Milford School, Milford Los Angeles, Calif.	36 High st.
Frank Steinhart, Jr., B.S. Pennsylvania Military College 1920	Havana, Cuba	139 Fountain st.
†Henry David Stevens	Asheville, N. C.	1467 Yale P. O.
Norman Gilbert Tenneson, B.A. University of Minnesota 1920	Fargo, N. Dak.	251 Crown st.
Avery Tompkins, B.A. University of California 1917	New Haven, Conn.	356 Elm st.
Max Raydner Traurig, B.A. Yale University 1920	Waterbury, Conn.	420 Temple st.
§John VanNorden Hamilton College 1920	New York City	333 York st.
Robert Angelo Vezzani, B.A. Holy Cross College 1920	Gardner, Mass.	67 Olive st.
†Helen Frances Williamson	Brooklyn, N. Y.	548 Orange st.

FIRST YEAR CLASS, 57

SUMMARY

GRADUATE CLASS	5
THIRD YEAR CLASS	51
SECOND YEAR CLASS	73
FIRST YEAR CLASS	57
STUDENTS FROM OTHER DEPARTMENTS	46
TOTAL	232

† Admitted without degree under war-service rule.

‡ Admitted to four-year course.

§ Academic work for degree completed.

SCHOOL OF THE FINE ARTS

Louis Joseph Agostini
 Simon Norris Alderman
 Adolphe Leslie Barreaux
 Henry Serafino Bertinette
 Harry Pierre Braisted
 Harry Poole Camden, Jr.
 Paul Ferdinando Cofrancesco
 John Doyle Conaty
 Charles Edward Cruess
 William Henry DeMonde, Jr.
 William George Devlin
 William Douglas, B.A.
 Yale University 1918
 Raymond James Eastwood

Edna Frances Edell
 Edward Frederick Engel
 Marion Warner Field
 Jean Albert Fiondella

Alfred Gallipoli
 Raymond Henry Georg
 Basil Stamatiou Georges

Philip Sands Graham
 Louis Albert Gudebrod
 Suzanne Lane Guilfoyle
 Irene Wyman Guthrie
 Lorenzo Hamilton
 Janet Alice Hanlon
 Percy Ernest Isbell, B.A.
 Yale University 1920
 Henry Ferdinand Johnson
 Tom Loftin Johnson
 Reuben Kaplan
 Rosa Marie Keller
 Henry Schraub Kelly
 Clement Buffum Lewis, B.A.
 Yale University 1918
 Paul Ritter MacAlister
 Albert Byron McCutcheon
 Jack Francis Mangine

Robert Winton Markham
 Richard Ingell Mathews
 Michael Joseph Mueller

Middletown, Conn. 1769 Whalley ave.
 New Haven, Conn. 758 Yale P. O.
 New York City 81 Broadway
 New Haven, Conn. 15 Summer st.
 New York City 291 Norton st.
 Parkersburg, W. Va. 226 York st.
 New Britain, Conn. 44 Frank st.
 Guilford, Conn. Guilford
 New York City 295 York st.
 Guilford, Conn. Guilford
 Branford, Conn. Branford
 New London, Conn. 187 F.

Bridgeport, Conn.
 131 Parallel st., Bridgeport
 Wallingford, Conn. 1044 Chapel st.
 New York City 528 Chapel st.
 New Haven, Conn. 33 Lynwood pl.
 New Haven, Conn.

1270 Townsend ave.
 New Haven, Conn. 86 Oak st.
 Springfield, Ill. 314 Orange st.
 Asklepion, Rhodes Island, Greece
 736 Yale P. O.

New York City 171 L.
 Meriden, Conn. Meriden
 New Haven, Conn. 79 Cottage st.
 New Haven, Conn. 83 Kimberly ave.
 Meriden, Conn. Meriden
 New Haven, Conn. 31 Norton st.
 New Haven, Conn. 399 Whalley ave.

New Haven, Conn. 101 Greenwood st.
 Denver, Colo. 1115 E.
 New Haven, Conn. 24 Clover pl.
 Augusta, Maine 672 Elm st.
 Hamden, Conn. Hamden
 Manbasset, L. I., N. Y. 203 York st.

Camden, N. J. 104 1/2 High st.
 Middletown, Conn. 81 Broadway
 New Haven, Conn.

275 West Carlisle st.
 Tulsa, Okla. 333 York st.
 South Norwalk, Conn. South Norwalk
 Cable, Wis. 69 Lake pl.

Chandler Tindal Myers
Manuel Heeren Pardo
John DeWitt Paulson

Newark, N. Y. 121 York st.
New York City 86 Trumbull st.
New Haven, Conn.

Max Pokras
Roger Wearne Ramsdell
Sterling Hubert Reid
Victor Myers Reynal
Helen Dowling Rice
Odile Alice Schenker
Ada Gilbert Shea
Florence Smirnow
Earl Hoffman Smith
Kathryn Miller Smith
Frank Paul Sylos
Richard Banks Thomas
Alfred James Tulk
Reyna Stodel Ullman
Francis Barker Valentine
Alice Burgess Warner

Box 603, New Haven
Bridgeport, Conn. 213 Dwight st.
Washington, Conn. 119 College st.
Gananoque, Ont., Canada 205 F.
Branford, Conn. Branford
New Haven, Conn. 277 Lexington ave.
Wallingford, Conn. Wallingford
New Britain, Conn. New Britain
New Haven, Conn. 376 Whitney ave.
West Haven, Conn. West Haven
West Haven, Conn. West Haven
New Haven, Conn. 95 Farren ave.
New Haven, Conn. 18 Trumbull st.
Oberlin, Ohio 162 York st.
New Haven, Conn. 284 Willow st.
Buffalo, N. Y. 1149 E.
New Haven, Conn.

Isabel Wilder
Oliver Wilkins
Eustace Paul Ziegler

1268 Quinipiac ave.
Mt. Carmel, Conn. Mt. Carmel
Bridgeport, Conn. Bridgeport
Detroit, Mich. Woodmont, Conn.

SUMMARY

REGULAR STUDENTS	61
STUDENTS NOT CANDIDATES FOR THE CERTIFICATE	2
STUDENTS FROM OTHER DEPARTMENTS	69
Total	132

SCHOOL OF MUSIC

SAMUEL SIMONS SANFORD FELLOWS

1918-20

Bruce Tibbals Simonds, B.A. Yale University 1917, MUS.B. Yale University 1918	Bridgeport, Conn.	Paris, France
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1920-22

Louise Lockwood, MUS.B. Yale University 1918	Seymour, Conn.	Paris, France
		TOTAL, 2

CLASS OF 1921

Svea Marianna Anderson	Roseland, N. J.	563 Orange st.
Mollie Allen Barton	Palmer, Mass.	567 Orange st.
Ruth Bracher, B.A. Western College for Women 1918	Harrod, Ohio	130 Wall st.
Virginia Bartholomew Carrington, A.A.G.O.	Bristol, Conn.	203 Lawrence st.
Henry Whitney Closson, B.A. Yale University 1916	Orange, N. J.	1177 T.
Thure Waldemar Fredrickson	New Britain, Conn.	1150 E.
William Quincy Porter, B.A. Yale University 1920	New Haven, Conn.	266 Bradley st.
Minna Schwartz	New Britain, Conn.	61 Park st.
Francis David Tiernan	New Haven, Conn.	447 George st.
Mary Kay Woodson	Westville, Conn.	52 West Prospect st., Westville
		TOTAL, 10

CLASS OF 1922

Evelyn Benham, B.A. Vassar College 1918	New Haven, Conn.	271 Bassett st.
Lyman Bradford Bunnell, PH.B. Yale University 1917	New Haven, Conn.	239 Everit st.
Dorothy Cooper	West Haven, Conn.	399 1st ave., West Haven
Aram Gevrekian	New York City	1150 E.
Elsa Margaret Keil	Sound Beach, Conn.	563 Orange st.
John Owen Lynch	New Haven, Conn.	38 Dwight st.
Antonio Pascale	New Haven, Conn.	298 Davenport ave.
Marie Agnes Riley	Meriden, Conn.	42½ East Main st., Meriden
Wesley Wellington Sloane	New Haven, Conn.	380 Central ave.
Alphonse Geraldo Vestuti	New Haven, Conn.	196 St. John st.
Amalia Veronica von Woedtke	New Haven, Conn.	18 Nash st.
		TOTAL, 11

CANDIDATES FOR A CERTIFICATE OF PROFICIENCY IN THE THEORY OF MUSIC

THIRD YEAR CLASS

Mary Cecille Archer	<i>New Haven, Conn.</i>	271 Dwight st.
Marjorie Knight Bacon	<i>Derby, Conn.</i>	114 High st.
Demo Rosary Caruso	<i>Newark, N. Y.</i>	481 Orange st.
Grace Janet Chase	<i>Greenwich, Conn.</i>	17 Beers st.
Louis Consoli	<i>Bridgeport, Conn.</i>	91 James st., Bridgeport
Pasquale Fappiano	<i>New Haven, Conn.</i>	521 Oak st.
Alfred Henry Johnson	<i>Germantown, Pa.</i>	98 Dixwell ave.
Royal Andrews Merwin	<i>Waterbury, Conn.</i>	333 York st.
Elizabeth Eugenia Murphy	<i>Hudson Falls, N. Y.</i>	130 Wall st.
Jessie Harriett Newgeon	<i>New Haven, Conn.</i>	70 Whalley ave.
Elsie Rita Osborne	<i>New Haven, Conn.</i>	169½ Chatham st.
Isabel Boyd Reeves	<i>Fulton, Ky.</i>	379 Whalley ave.
Salvatore Spinelli	<i>New Haven, Conn.</i>	147 Greene st.
Mildred Annette Swift	<i>New Haven, Conn.</i>	7 Norton st.
Elizabeth May Vivier, L.M.	<i>Pretoria, Transvaal, South Africa</i>	198 Hamilton st.
South African University 1916		239 Edwards st.
Evelyn Salisbury Wells	<i>New Haven, Conn.</i>	TOTAL, 16

SECOND YEAR CLASS

William LeRoy Brown	<i>West Haven, Conn.</i>	West Haven
Helen Virginia Cain	<i>Greenfield, Mass.</i>	7 Lyon st.
Albert Iver Coleman	<i>New Haven, Conn.</i>	296 Lenox st.
Fanny Geraldine Eckhardt	<i>Derby, Conn.</i>	20 Olivia st., Derby
Alfred Ashfield Finch	<i>Sound Beach, Conn.</i>	84 Wall st.
Dorothy Goldstein	<i>New Haven, Conn.</i>	25 Davenport ave.
Arthur Edwin Hall	<i>Wallingford, Conn.</i>	39 Fair st., Wallingford
Thelma Harris	<i>New Haven, Conn.</i>	787 Whitney ave.
Florence Haskin, PH.B.	<i>Worcester, Mass.</i>	
Hiram College 1911		35 Governors ave., Milford
Prentice Baldwin Hunt	<i>Essex, Conn.</i>	1132 E.
Carl John Jensen	<i>Whitneyville, Conn.</i>	164 Putnam ave., Whitneyville
Eizaburo Kioka	<i>Tokyo, Japan</i>	1206 T.
Anna Marion Konick	<i>New Haven, Conn.</i>	277 Dixwell ave.
George Dominic Lamacchia	<i>Bridgeport, Conn.</i>	272 Federal st., Bridgeport
Ernestine Mappes	<i>Westville, Conn.</i>	17 West Rock ave., Westville
Frances Pearl Murstein	<i>Bridgeport, Conn.</i>	1319 Stratford ave., Bridgeport
Beth Loring Neal	<i>Woodfords, Maine</i>	82 Trumbull st.

Mary Margaret O'Donnell
Mildred Elizabeth Pierson

New Haven, Conn. 615 Winchester ave.
West Haven, Conn.

Ethel Shetter
Florence Elizabeth Walsh

36 Wallace st., West Haven
New Haven, Conn. 651 State st.
Shelton, Conn.

96 Prospect ave., Shelton
TOTAL, 21

FIRST YEAR CLASS

Mabel Mary Allan
Allen Avrutin
Florence Irene Beebe

Ridgefield, Conn. Ridgefield
New Haven, Conn. 51 Lake pl.
Bridgeport, Conn.

Alice Margaret Bradley
Fay Erskine Bricken
Harry Lawson Brinkman
Anna Belle Cirimo
Mathew Covone
Esther Alice Cox
Alice Caroline Culbert

93 Wood ave., Bridgeport
New Haven, Conn. 1138 Chapel st.
Lexington, Ky. 1102 T.
Naugatuck, Conn. 333 York st.
Monongah, W. Va. 627 Chapel st.
New Haven, Conn. 82 Bradley st.
Milford, Conn. 12 Pond st., Milford
Waterbury, Conn.

Annette Marguerite Dacier

42 Bishop st., Waterbury
Middletown, Conn.

Andrew D'Amato
George Patrick Davidonis
Frank DeMatteo

55 Loveland st., Middletown
New Haven, Conn. 6 Olive st.
Ansonia, Conn. 29 Maple st., Ansonia
Higbwood, Conn.

Beatrice Amelia Doncourt

14 Arch st., Higbwood
Seymour, Conn.

Hurlburt George Dolphin
Anthony Frank Fiorillo
Ernest Gordon
Gertrude Sarah Greer
Mary Denise Hill
Eugenia Hotchkiss
Marian Keller

42 Gilyard st., Seymour
New Haven, Conn. 213 Commerce st.
New Haven, Conn. 41 Elliott st.
New Haven, Conn. 14 Howe st.
Mystic, Conn. 576 George st.
New Haven, Conn. 313 York st.
New Haven, Conn. 565 Orange st.
Ansonia, Conn.

Marian Keller
Harry Joseph Klimpl
Fanny Kusnitz

39 Franklin st., Ansonia
Ansonia, Conn. Ansonia
New Haven, Conn. 171 Spring st.
Bridgeport, Conn.

Gertrude Marie Lanz
Peter Joseph Loro
Bertha Harriet Magid
Edna Mae Ostrofsky

83 Randall ave., Bridgeport
New Haven, Conn. 231 Clinton ave.
New Haven, Conn. 792 Grand ave.
New Haven, Conn. 11 Vernon st.
Bridgeport, Conn.

Theodore Culver Romney

650 Boston ave., Bridgeport
Naugatuck, Conn.
146 Hillside ave., Naugatuck

Anna Sarason	New Haven, Conn.	86 Kensington st.
Lillian Reena Steed	New Haven, Conn.	102 Carmalt st.
William Havemeyer Stone	San Francisco, Calif.	367 Orange st.
Marie Hansine Therkildsen	Shelton, Conn.	153 Hill st., Shelton
Martha Weintraub	New Haven, Conn.	70 Sylvan ave.
Virginia Wessels	Portland, Conn.	Portland
Elsie Mae Whelan	Hartford, Conn.	146 Mansfield st.
Laura Ellen Whittaker	Whitneyville, Conn.	Whitneyville
Cameron Winslow	Washington, D. C.	98 Park st.
		TOTAL, 38

CANDIDATES FOR A CERTIFICATE IN THE SUPERVISION OF
PUBLIC SCHOOL MUSIC NOT CANDIDATES
FOR OTHER CERTIFICATES

Dorothy Green	New Haven, Conn.	61 Admiral st.
Mary Helena MacDonnell	Waterbury, Conn.	65 5th st., Waterbury
Evelyn Messinger	New Haven, Conn.	374 Dixwell ave.
Mary Goodman Sterzel	Torrington, Conn.	82 Trumbull st.
		TOTAL, 4

STUDENTS NOT CANDIDATES FOR DEGREES
OR CERTIFICATES

Hazel Celestia Armstrong	Ansonia, Conn.	143 Howard ave., Ansonia
Bonzion Babich	New Haven, Conn.	N.H.H.
Harry Berman	New Haven, Conn.	68 Asylum st.
Josephine Brewster	Litchfield, Conn.	Litchfield
Robert William Brown	New Haven, Conn.	123 Winchester ave.
Audrey Roberta Bush	Ansonia, Conn.	105 Tremont st., Ansonia
Gertrude Elizabeth Davis	Seymour, Conn.	142 Washington ave., Seymour
Kathryn Armstrong Ferguson	New Haven, Conn.	147 Lambertson st.
Alice Cheney Ferris	New Haven, Conn.	108 Cold Spring st.
Jilda Marie Fuse	Fairfield, Conn.	R.F.D. 6, Fairfield
May Agnes Gillies	Hamden, Conn.	1635 Whitney ave., Hamden
Doris Marion Goudge	Galveston, Texas	1466 Chapel st.
Laura Hadley, B.A.	New Haven, Conn.	93 Whitney ave.
Vassar College 1920		
Amy Cordelia Herrick	Gaylordsville, Conn.	Gaylordsville
Virginia Louise Hopkins	Morris Cove, Conn.	28 Mansion st., Morris Cove
Irene Elizabeth Hubbard	Berlin, Conn.	Berlin

Dorothy Gertrude Hull

*Middletown, Conn.*Mylene Johnson, *MUS.B.*

112 Broad st., Middletown

Yale University 1919

Hartford, Conn. 756 Park st., Hartford

Bertha Margaret Kernick

Ansonia, Conn. 9 Cherry st., Ansonia

Mabel Alice Kuhn

New Haven, Conn. 855 Congress ave.

Helen Clark MacFarran

Branford, Conn.

Branford

Irene Harriet Maxfield

West Haven, Conn.

36 Wallace st., West Haven

Martha Miles

Stratford, Conn.

2268 Main st., Stratford

Florence Marion Moakley

New Haven, Conn. 452 Edgewood ave.Antonio Rosselli, *MUS.B.**New Haven, Conn.* 352 Greene st.

Yale University 1920

Barbara Louise Sargent

New Haven, Conn. 360 Edwards st.

Jessie Phylfe Spalding

New Haven, Conn. 97 Grove st.

Alice Elizabeth Sparks

New Haven, Conn. 263 Columbus ave.

Gordon Stuart Stevens

New Haven, Conn. 90 Prospect st.

Elizabeth Cecelia Sweeney

Naugatuck, Conn. Naugatuck

Mary Thompson VanCleaf

New Haven, Conn. 518 Orange st.

Aglæ Janet Mildred Wall

South Orange, N. J. 203 Lawrence st.

Frederick William Welch

New Haven, Conn. 271 Orange st.Anna Luiza White, *B.A.**Short Beach, Conn.*

Short Beach

Smith College 1918

Frieda Augusta Wilhelmy

Ansonia, Conn.

289 Wakelee ave., Ansonia

Lillian Phylis Williams

New Haven, Conn. 66 Bristol st.

Marion Virginia Williams

West Haven, Conn.

455 1st ave., West Haven

Margaret Finley Wood

Williamsburg, Ky. 631 Elm st.

Minnie Eleanor Zimmerman

New Haven, Conn. 28 Nash st.

TOTAL, 39

SUMMARY

GRADUATE CLASS	2
CANDIDATES FOR DEGREES	21
CANDIDATES FOR CERTIFICATES	79
STUDENTS NOT CANDIDATES FOR DEGREES OR CERTIFICATES	39
STUDENTS FROM OTHER DEPARTMENTS	49
TOTAL	190

SCHOOL OF FORESTRY

SENIOR CLASS

Placido Oropilla Dacanay, B.S.F. University of Montana 1920	<i>Bacnotan, La Union, P. I.</i> 144 Mansfield st.
Sigurd Fretheim	<i>Christiania, Norway</i> 1224 T.
Mark Yuen-chi Hwang, B.S. Boone University 1918, N. Y. State College of Forestry	<i>Kinkiang, China</i> 168 Mansfield st.
Shun-Ching Lee, B.S. University of Nanking 1914	<i>Hai-Yong City, Sbantung, China</i> 165 Mansfield st.
Wilford Edwin Sanderson, B.S. New York State College of Forestry 1917	<i>Syracuse, N. Y.</i> 86 Elm st.
Peng Fei Shen, B.S. Tsing Hua College, Oregon Agricultural College 1919	<i>Canton, China</i> 1114 E.
Thornton Greenwood Taylor Massachusetts Agricultural College 1919	<i>Ipswich, Mass.</i> 1223 T.
John Wasilik, Jr., PH.B. Yale University 1917	<i>Roselle, N. J.</i> 1224 T.
William Kinsey Williams, Jr. Taylor University, Iowa State College	<i>Columbus, Ohio</i> 1193 T.
Chuan Fah Yao, B.A. Shanghai College 1915, M.S. Denison University 1919	<i>Sbhangbai, China</i> 1221 T.

SENIOR CLASS, 10

JUNIOR CLASS

Henry Ives Baldwin, B.A. Yale University 1919	<i>Saranac Lake, N. Y.</i> 333 York st.
Wallace Dunn Black, B.A. Franklin and Marshall College 1915	<i>Flora Dale, Pa.</i> 1214 T.
Sam Robert Broadbent University of Missouri	<i>St. Louis, Mo.</i> 137 Mansfield st.
Royston Elliott Campbell Yale University	<i>Santa Barbara, Calif.</i> 111 Grove st.
Charles Ernest Carter, B.AGR.SC., DIP.ED. Training College Carlton, Melbourne University 1913, Dookie Agricultural College	<i>Creswick, Victoria, Australia</i> 41 Woodland st.
Charles Burdett Green University of Missouri	<i>Tulsa, Okla.</i> 129 Mansfield st.
William Norbert Hill Wesleyan University	<i>Noank, Conn.</i> 129 Mansfield st.
Walter Huber Meyer, B.A. Milwaukee Normal School, Yale University 1919	<i>Rochester, N. Y.</i> 165 Mansfield st.
Minott Lowry Osborn, B.S. Connecticut Agricultural College 1920	<i>Woodbridge, Conn.</i> Woodbridge

1920-21]	<i>School of Forestry</i>	625
Charles Wade Simmons Drury College, University of Missouri	<i>Cabool, Mo.</i>	137 Mansfield st.
Eastburn Richey Smith, B.A. Amherst College 1920	<i>Brooklyn, N. Y.</i>	333 York st.
Herbert Raymond Soderston, PH.B. Yale University 1920	<i>New Haven, Conn.</i>	464 Whalley ave.
		JUNIOR CLASS, 12

STUDENTS NOT CANDIDATES FOR A DEGREE

Donald Nathan Canterbury University of Pennsylvania	<i>Worcester, Mass.</i>	41 Woodland st.
Ernest Jacob Neethling, B.A. University of the Cape of Good Hope	<i>Robertson, Cape Province, South Africa</i>	168 Mansfield st.
Abraham Rosenman University of Nebraska	<i>New York City</i>	65 Grove st.
		TOTAL, 3

SUMMARY

SENIOR CLASS	10
JUNIOR CLASS	12
STUDENTS NOT CANDIDATES FOR A DEGREE	3
REGULAR STUDENTS	25

GENERAL SUMMARY

OFFICERS

PROFESSORS, including other University Officers	167
ASSOCIATE PROFESSORS	5
ASSISTANT PROFESSORS, including other officers of equivalent rank	116
INSTRUCTORS, including Lecturers, etc.	157
ASSISTANTS IN INSTRUCTION	142
ASSISTANTS IN ADMINISTRATION	181
TOTAL	768

STUDENTS

	Degrees or Certificates	Others not Candidates
GRADUATE SCHOOL	294	†512
YALE COLLEGE	997	
SHEFFIELD SCIENTIFIC SCHOOL	688	16
THE FRESHMAN YEAR	684	
SCHOOL OF MEDICINE	118	
DIVINITY SCHOOL	111	26
SCHOOL OF LAW	186	
SCHOOL OF THE FINE ARTS	61	2
SCHOOL OF MUSIC	102	39
SCHOOL OF FORESTRY	22	3
	<hr/> 3,263	<hr/> 598
Deduct for names inserted twice	41	
	<hr/> 3,222	
STUDENTS NOT CANDIDATES FOR DEGREES	598	
	<hr/>	
GRAND TOTAL		3,820

† Enrolled in Courses in Education, 460.

SUMMARY OF STUDENTS

BY STATES AND COUNTRIES

Alabama.....	8	Nebraska.....	21
Arizona.....	0	New Hampshire.....	17
Arkansas.....	8	New Jersey.....	107
California.....	35	New Mexico.....	3
Colorado.....	22	New York.....	542
Connecticut.....	1,220	North Carolina.....	14
Delaware.....	8	North Dakota.....	8
District of Columbia.....	28	Ohio.....	145
Florida.....	8	Oklahoma.....	11
Georgia.....	8	Oregon.....	8
Hawaiian Territory.....	17	Pennsylvania.....	172
Idaho.....	4	Philippine Islands.....	6
Illinois.....	140	Porto Rico.....	0
Indiana.....	36	Rhode Island.....	22
Iowa.....	16	South Carolina.....	22
Kansas.....	16	South Dakota.....	4
Kentucky.....	25	Tennessee.....	20
Louisiana.....	8	Texas.....	23
Maine.....	22	Utah.....	4
Maryland.....	19	Vermont.....	17
Massachusetts.....	173	Virginia.....	23
Michigan.....	57	Washington.....	20
Minnesota.....	75	West Virginia.....	16
Mississippi.....	6	Wisconsin.....	26
Missouri.....	57	Wyoming.....	1
Montana.....	4		

Africa.....	5	France.....	1
Armenia.....	1	Greece.....	1
Australia.....	2	India.....	2
Belgium.....	1	Italy.....	2
British West Indies.....	2	Japan.....	6
Canada.....	14	Lithuania.....	1
Ceylon.....	2	Mexico.....	1
Chile.....	1	New Zealand.....	1
China.....	12	Norway.....	2
Cilicia.....	1	Palestine.....	3
Cuba.....	3	Russia.....	1
Egypt.....	1	Persia.....	1
England.....	5	Wales.....	1

BY CITIES AND TOWNS

[Places represented by five or more students only are here given.]

Albany.....	16	New Haven.....	603
Ansonia.....	14	New London.....	12
Baltimore.....	12	New Rochelle.....	9
Boston.....	9	New York.....	231
Branford.....	6	Norwich.....	10
Bridgeport.....	66	Omaha.....	10
Bristol.....	8	Orange (N. J.).....	6
Brookline.....	5	Pasadena.....	5
Brooklyn.....	58	Paterson.....	7
Buffalo.....	35	Peoria.....	5
Chicago.....	65	Philadelphia.....	21
Cincinnati.....	20	Pittsburgh.....	26
Cleveland.....	44	Plainfield (N. J.).....	5
Columbus.....	5	Portland (Maine).....	6
Dallas.....	7	Portland (Ore.).....	5
Dayton.....	10	Providence.....	10
Denver.....	17	Rochester.....	6
Derby.....	24	St. Louis.....	28
Detroit.....	23	St. Paul.....	16
East Haven (Conn.).....	8	San Francisco.....	5
East Orange.....	11	Scranton.....	13
Erie.....	6	Seattle.....	11
Evanston.....	15	Sewickley.....	5
Fall River.....	7	Seymour.....	6
Greenwich.....	10	Shelton.....	6
Grosse Pointe.....	7	South Norwalk.....	5
Hartford.....	90	Springfield (Mass.).....	15
Honolulu.....	11	Stamford.....	14
Indianapolis.....	11	Summit.....	8
Kalamazoo.....	5	Syracuse.....	6
Kansas City.....	15	Tarrytown.....	5
Lake Forest.....	5	Terre Haute.....	6
Lawrence.....	5	Titusville.....	5
Los Angeles.....	6	Toledo.....	7
Little Rock.....	5	Wallingford.....	14
Louisville.....	6	Washington (D. C.).....	28
Meriden.....	24	Waterbury.....	39
Middletown.....	14	West Haven.....	29
Milford (Conn.).....	12	Westville.....	5
Milwaukee.....	7	White Plains.....	5
Minneapolis.....	38	Willimantic.....	6
Montclair.....	9	Wilmington.....	5
Nashville.....	14	Winnetka.....	5
Naugatuck.....	10	Winsted.....	9
Newark.....	9	Worcester.....	9
New Britain.....	25	Yonkers.....	7

BY INSTITUTIONS REPRESENTED

Acadia University, 3; Adelbert College, 1; Albion College, 1; Allegheny College, 1; Amherst College, 3; Assumption College, 1; Augustana College, 1; Augustana Theological Seminary, 2; Austin College, 2; Baldwin-Wallace College, 2; Bates College, 4; Bedford College, 1; Beloit College, 1; Bethel College, 1; Boston University, 3; Bowdoin College, 1; Bridgewater College, 1; Brown University, 4; Butler College, 2; Bryn Mawr College, 1; Cambridge University (England), 1; Canton Theological School, 1; Carleton College, 5; Carroll College, 1; Carthage College, 1; Case School of Applied Science, 1; Catholic University, 2; Central College, 6; Central Wesleyan College, 1; Christian University, 1; Clark College, 1; Clark University, 3; Coe College, 1; Colby College, 1; Colgate University, 2; College of Idaho, 2; College of Medicine and Surgery, 1; College of the City of New York, 2; Collegio de San Pedro Claver, 1; Colorado State Teachers' College, 1; Columbia University, 11; Connecticut Agricultural College, 1; Connecticut College for Women, 2; Cornell College, 1; Cornell University, 7; Cotner College, 4; Dalhousie University, 1; Dartmouth College, 11; Davidson College, 3; Defiance College, 1; Denison University, 1; Des Moines Baptist College, 1; Des Moines College, 1; Doshisha University, 2; Drake University, 1; Elmira College, 1; Elon College, 4; Emory and Henry College, 1; Emory University, 2; Episcopal Theological School (Cambridge), 1; Euphrates College, 1; Findlay College, 4; Fisk University, 2; Florida A. & M. College, 1; Florida State Woman's College, 1; Franklin College, 1; Georgetown University, 3; Goucher College, 3; Gregorian University (Rome), 1; Grinnell College, 1; Gustavus Adolphus College, 3; Hamilton College, 1; Hartford School of Religious Pedagogy, 1; Harvard University, 7; Hebrew Teachers' College (Jerusalem), 1; Hendrix College, 1; Hiram College, 4; Holy Cross College, 15; Hope College, 1; Howard University, 1; Hunter College, 3; Huntington College, 1; Illinois College, 1; Indiana University, 4; Jefferson Medical College, 1; Jewish Theological Seminary, 1; Johns Hopkins University, 3; Johnson Bible College, 1; Kalamazoo College, 1; Kansas State University, 1; Kansas University, 3; Kentucky University, 2; LaChaux-de-Fonds (Switzerland), 1; Lafayette College, 2; Lawrence College, 1; Lebanon Valley College, 1; Lehigh University, 1; Leland Stanford, Junior, University, 2; Lincoln University, 1; Lynchburg College, 1; McMinnville College, 1; McPherson College, 6; Maryville College, 1; Massachusetts Agricultural College, 1; Medico-Chirurgical College, 1; Middlebury College, 2; Millsops College, 1; Mississippi College, 1; Missouri Valley College, 1; Monmouth College, 2; Mount Albion University, 1; Mount Holyoke College, 12; Moravian College, 1; Nashota Theological Seminary, 1; Newberry College, 1; New Hampshire College of Agriculture and Mechanic Arts, 2; New Mexico College of Agriculture and Mechanic Arts, 1; New York University, 2; Niagara University, 1; Northwestern College, 1; North-Western College, 1; Northwestern University, 1; Normal College (N.H.), 1; Norwich University, 1; Oberlin College, 7; Oberlin School of Theology, 1; Ogden College, 1; Ohio Northern University, 1; Ohio State University, 1; Ohio University, 1; Ohio Wesleyan University, 2; Oregon State College, 1; Ottawa University, 1; Otterbein College, 2; Park College, 1; Pei Yang University, 1; Pennsylvania College, 1; Pennsylvania College for Women, 1; Pennsylvania Military Col-

lege, 2; Pennsylvania State College, 6; Phillips University, 3; Pomona College, 1; Prince of Wales College, 1; Princeton Seminary, 1; Princeton University, 4; Queen's University, 2; Rabbinical College of Woloshin, 1; Radcliffe College, 1; Rensselaer Polytechnic Institute, 2; Rhode Island State College, 2; Richmond College, 2; Robert College, 1; Rutgers College, 3; St. Lawrence University, 1; St. Paul's College (Cilicia), 1; Simmons College, 2; Smith College, 13; South African College, 2; Southern Methodist University, 2; Springfield Y.M.C.A. College, 3; Syracuse University, 3; Syrian Protestant College, 2; Thiel College, 1; Transylvania University, 2; Trinity College (Hartford), 13; Trinity College (N. C.), 3; Tusculum College, 1; Union College, 1; Union University, 1; Union Theological Seminary, 2; United States Military Academy, 4; United States Naval Academy, 1; University of Alabama, 1; University of Alberta, 1; University of Arizona, 1; University of California, 3; University of Chicago, 7; University of Colorado, 1; University of Denver, 1; University of Glasgow, 1; University of Idaho, 1; University of Illinois, 5; University of Kansas, 4; University of Kentucky, 1; University of Madras, 1; University of Maine, 1; University of Michigan, 5; University of Minnesota, 7; University of Mississippi, 2; University of Missouri, 4; University of Nebraska, 3; University of New Mexico, 1; University of North Carolina, 3; University of North Dakota, 3; University of Oklahoma, 1; University of Oregon, 2; University of Paris, 1; University of the Philippines, 5; University of Redlands, 1; University of Rochester, 1; University of Santiago de Chile, 1; University of Saskatchewan, 2; University of South Carolina, 1; University of Tennessee, 2; University of Texas, 4; University of Virginia, 2; University of Washington, 3; University of Wisconsin, 5; Valparaiso University, 2; Vanderbilt University, 6; Vassar College, 7; Villanova College, 1; Virginia Military Institute, 2; Wabash College, 1; Wake Forest College, 1; Washburn College, 1; Washington University, 1; Washington and Jefferson College, 2; Washington and Lee University, 3; Wellesley College, 10; Wesley Theological College, 1; Wesleyan University, 14; Western College for Women, 3; Western Maryland College, 1; Western Reserve University, 2; West Lafayette College, 1; West Virginia University, 3; Williams College, 1; Wilmington College, 1; Wofford College, 1; Worcester Polytechnic Institute, 1; Yale University, 252.

DIRECTORY

The names of all officers, including assistants, are printed in italics.

The names of students are followed by the designations of their several classes (*Grad.*, Graduate; *Sr.*, Senior; *Mid.*, Middle; *Jr.*, Junior; 4, Fourth Year; 3, Third Year; 2, Second Year; 1, First Year; the names of students have appended also an indication of the School to which each belongs, viz.: *art*, School of the Fine Arts; *f*, School of Forestry; *g I*, *g II*, *g III*, sections of the Graduate School; *l*, School of Law; *m*, School of Medicine; *mus*, School of Music; *d*, Divinity School; *s*, Sheffield Scientific School). For other abbreviations see page 10.

A ARON, L. B., 24	94 Linden st.	Alexander, H. W., 22 s	148 Grove st.
Aaronson, H. J., 24	1516 Quinpiac ave.	Aley, F. W., 23	619 wr.
Abbott, M. W., 22	3 v.	Allaben, M. C., Jr., 24	404 B.
Abel, W. K., g I	Rome, Italy	Allan, M. M., <i>mus</i>	Ridgefield
Abeshouse, B. S., 21 s, 1 m	216 Oak st.	Allen, A. L., <i>Sec'y</i>	(120 College st.) 78 Main st., West Haven
Acosta, J. S., 21	709 m.q.	Allen, E. P., 1 m	165 York st.
Adamec, C. J., g I	East Haven	Allen, E. V., <i>Grad. l</i>	31 Trumbull st.
Adams, A. C., 21	713 m.q.	Allen, F. G., <i>Instr.</i>	(324 D.L.E.) 67 Clifford st., Whitneyville
Adams, B., 23 s	124 Prospect st.	Allen, H. E., 24	462 fw.
Adams, C. E., <i>Associate</i>	Wellington, New Zealand	Allen, R. B., 23 s	98 Shelton ave.
Adams, D. A., <i>Instr.</i>	(152 Temple st.) 48 Howe st.	Allen, W. W., 24	460 Ferry st.
Adams, G. B., <i>Prof. Emeritus</i>	57 Edgehill road	Allenberg, S., <i>Grad. l</i>	74 Wall st.
Adams, G. J., Jr., 24	180 v-s.	Alles, A., <i>Grad. d, g II</i>	583 Orange st.
Adams, J. C., <i>Advis. Lit. Activ.</i>	and <i>Asst. Prof.</i>	Alling, A. N., <i>Prof.</i>	257 Church st.
(Gz.o.) 180 East Rock road		Alling, S. J., 23 s	1112 Chapel st.
Adams, N. I., Jr., g I	407 Temple st.	Alling, V., <i>Sec'y</i>	(303 o.z.L.) 1031 Campbell ave., West Haven
Adams, R. M., 23 s	17 Hillhouse ave.	Allinson, S. J., 23	774 Grand ave.
Adams, S. G., 21	812 m.q.	Allison, J. M. S., <i>Asst. Prof.</i>	242 York st.
Adams, T. S., <i>Prof.</i>	(225 L.O.M.) 115 Everit st.	Alpert, B. L., 23	173 L.
Adams, T. S., 23 s	370 Temple st.	Altschuler, B. M., 23	170 L.
Adee, W. T., 23	260 D.	Alvord, C. H., 23 s	119 College st.
Adelman, L., 23 s	726 Howard ave.	Alvord, M. H., 24	463 fw.
Agostini, L. J., <i>art</i>	1769 Whalley ave.	Amatruda, F. G., 2 m	306 Exchange st.
Akerley, E. C., 24	162 v-s.	Ames, F. F., 23 s	38 High st.
Alcorn, R. H., 21	755 m.q.	Ammerman, L. E., <i>Clerk</i>	(12 H.) 7 Clifton st.
Alderman, A. S., 23	40 Spruce st.	Anderson, H. C., g I	84 Wall st.
Alderman, H. N., 21	71 Sherman ave.	Anderson, H. S., <i>Instr.</i>	(o.) 350 Humphrey st.
Alderman, M. A., 22	847 Howard ave.	Anderson, J. E., <i>Instr.</i>	(P.L.) 6 Wakefield st., Hamden
Alderman, S. N., <i>art</i>	758 Yale P. O.	Anderson, S. M., <i>mus</i>	563 Orange st.
Aldrich, M. P., 22	99 w.		
Alexander, H. H., 23	211 f.		

- Anderson, W. E., g I 80 Sherman ave.
Anderson, W. G., Director (o.) Hotel Taft
 Anderson, W. W., 22 669 WR.
 Anderton, E. L., g I 22 Chestnut st., West Haven
 Andrade, M., g I 315 York st.
 Andretta, S. A., 1 l 74 Wall st.
 Andrew, E. H., 24 452 FW.
 Andrew, R. E., g I 123 Huntington st.
 Andrew, T. P., 21 s 17 Hillhouse ave.
Andrews, C. M., Prof. 424 St. Ronan st.
Andrews, D. H., Asst., g I (K.C.L.) 1117 E.
 Andrews, G. D., Jr., 24 372 WH.
Andrews, H. H., Asst. (12 H.) 1956 State st.
Andrews, J., Sec'y (100 Wall st.) 296 Orchard st.
 Andrews, R. A., 23 s 156 Grove st.
 Angell, J. K., 23 227 F.
Angier, R. P., Dean, Prof. and Director (120 College st.) 140 Edgehill road
 Annan, H. G., 24 149 V-S.
 Anthony, E. T., 21 785 M.Q.
 Anthony, R. L., 24 171 V-S.
Antz, H., Techn. (B.M.L.) 396 Orchard st.
 Appel, G. F. B., 24 493 H.
Appledorn, H. H., Jr., Asst., g I (22 K.C.L.) 439 George st.
 Appleton, J. W., 24 152 V-S.
 Aquino, E. G., g I 124 Wall st.
Arant, H. W., Asst. Prof. (HEN.) 23 Lynwood pl.
 Arant, W. D., 1 l 333 York st.
 Archbald, T. W., 24 341 WH.
Archer, J. C., Asst. Prof., g I (E, D.L.) 84 Linden st.
 Archer, M. C., mus 271 Dwight st.
 Ardrey, A. H., 21 794 M.Q.
 Arévalo, J. D., g I 89 Sherman ave.
 Armistead, J. D., Sr. d 1198 T.
 Armstrong, H. C., mus 143 Howard ave., Ansonia
 Armstrong, W. M., 23 241 D.
 Arn, F., Jr., 24 372 WH.
 Arnold, H. B., 23 210 F.
Arnold, H. S., Medical Examiner HART
 Arnold, L., 23 251 D.
 Arnold, M. E., g III 249 Park st.
- Arpaia, A. F., 21 1578 State st.
Arratia, R., Instr., g I (202 L.O.M.) 1196 T.
 Artz, R. B., 24 352 WH.
Asakawa, K-I., Asst. Prof. and Curator (D., o.) 1141 E.
 Ascham, L., g III 36 High st.
 Ash, J. L., 24 346 WH.
 Asher, H. W., Jr., 21 779 M.Q.
 Ashford, M. Q., g I 82 Trumbull st.
 Ashforth, H. A., 23 230 F.
 Ashworth, H. C., 21 s 360 Temple st.
 Askin, A. S., 23 153 L.
 Athey, G. C., 23 s 8 Prospect pl.
 Atkins, J. A., 2 l 1147 E.
 Atkins, K. W., 23 s 1 Hillhouse ave.
 Atkins, W. L., 21 s 133 College st.
Atwater, R. M., Sec'y (161 B.M.L.) 1776 State st.
Atwater, W. C., Asst. (wood.) 56 Ralston ave., Whitneyville
 Augur, J. M., 22 s Branford
 Ault, B., 22 s 111 Grove st.
 Authier, C. H., 3 l 86 Whalley ave.
 Avrutin, A., mus 51 Lake pl.
- B**ABB, J. T., 24 355 WH.
Babcock, C., Jr., Instr., g I (15 WR.) 1201 T.
 Babich, B., mus N.H.H.
 Bach, J. E., 24 177 V-S.
 Bache, D. T., 24 135 V-S.
 Bachman, F. C., 24 346 WH.
Bachman, 1st Lieut. J. J., Asst. Prof. (A.H.) 367 Elm st.
 Bachman, R. S., 24 10 HW.
 Bacigalupo, J. L., 24 425 FW.
 Back, S. H., 24 390 B.
 Backes, E. W., g III 139 Fountain st.
 Bacon, A. H. T., g I 1177 T.
Bacon, B. W., Prof. (1105 E.) 244 Edwards st.
 Bacon, M. K., mus 114 High st.
Badger, R. E., Instr., g I (S.H.) 3 B.M.H.
 Badger, T. L., 22 19 V.
Bagby, E., Instr. (P.L.) 745 Orange st.
 Bahr, F. W., 24 7 B.M.H.
 Baier, L., d 238 Remington st., Bridgeport
 Bailey, C. E., 21 s 111 Grove st.

- Bailey, G. R., 23 s 133 College st.
 Bailey, M., g I 315 York st.
 Bailey, P., 23 1202 T.
 Bailey, P. V., 22 57 v.
 Bailey, S., 21 s 2 Dwight st.
 Bailey, S. S., 22 s 7 Rogers ave., Milford
 Bailey, W. B., Prof. (200 Orange st.) 25 Lynwood pl.
 Bailey, W. S., 21 749 M.Q.
 Bainton, R. H., Instr., g I 1108 E.
 Baird, A. I., Techn. (N.H.H.) 42 College st.
 Baird, E. P., Jr., 24 142 v-s.
 Baird, G. S., 23 s 119 College st.
 Baither, C. P., 23 s 111 Grove st.
 Baitzell, G. A., Asst. Prof. (305 o.z.L.) 50 Livingston st.
 Baker, A. A., Asst., g I (K.) 8 Prospect pl.
 Baker, A. L., 21 s 111 Grove st.
 Baker, A. S., 24 970 Elm st.
 Baker, C., 22 s 17 Hillhouse ave.
 Baker, G. W., Instr. (13 s.L.H.) 70 Trumbull st.
 Baker, H. H., 23 s 152 Grove st.
 Baker, H. W., Jr., 22 s 352 Temple st.
 Baker, J. F., Lect. (42 Church st.) 155 Elm st.
 Baker, W. W., 24 452 F.W.
 Bakewell, C. M., Prof. (23 LAM.) 437 Livingston st.
 Baldwin, C. C., Jr., 21 s 96 Wall st.
 Baldwin, G. J., 22 6 v.
 Baldwin, H. I., Jr. f 333 York st.
 Baldwin, R. E., 3 l 80 Wall st.
 Baldwin, S., 2 l 107 Avon st.
 Baldwin, S. E., Prof. Emeritus (11 Center st.) 44 Wall st.
 Balkwill, S. W., 24 111 v-s.
 Ballinger, W. J., 23 167 L.
 Ballou, P. H., 20 192 F.
 Balter, A., 22 5 Bradley st.
 Bangs, F. H., Instr., g I (11 wh.) 242 York st.
 Banks, T. H., Jr., g I 124 Wall st.
 Banks, W. D., 23 260 D.
 Bankson, J. P., Jr., 22 80 C.
 Bannister, R. H., 23 s 352 Temple st.
 Bannon, R. C., 23 s 26 Elm st.
 Bannon, T. F., 22 112 W.
 Banta, C. G. S., 23 s 217 Alden ave.
 Barbari, G. M., 23 s 25 AnH st.
 Barber, H. H., 3 l 80 Wall st.
 Barbour, H. G., Asst. Prof. (M.S.) 88 Cold Spring st.
 Barker, C., Asst. (1173 Chapel st.) 48 Hubinger st.
 Barker, G. M., 21 752 M.Q.
 Barker, J. E., Sr. d 1143 E.
 Barkley, R. C., 22 s 124 Prospect st.
 Barnard, R. N., 23 s 111 Grove st.
 Barnes, A. C., 22 136 W.
 Barnes, E. F., Macbinist (S.P.L.) 336 Thompson ave., East Haven
 Barnes, G. H., 20 195 F.
 Barnes, G. M., 23 s 17 Hillhouse ave.
 Barnes, H. A., Supt. Heating and Lighting (U.S.B.) 80 Admiral st.
 Barnett, S. G., 23 s 82 Wall st.
 Barney, A. D., 2 l 135 Whitney ave.
 Barney, E. H., Priv. Sec'y (1168 T.) 346 Whitney ave.
 Barney, S. E., Asst. Prof. (129 WIN.) 346 Whitney ave.
 Barnum, A. E., g III 237 East Rock road
 Barnum, C. L., Asst. 344 Humphrey st.
 Barnum, T. R., Asst. and Curator (WOOD.) 344 Humphrey st.
 Baronberg, L. J., 24 1 Waverly st.
 Barr, C. J., Asst. Lib'n (22 LIB.) 140 Canner st.
 Barreaux, A. L., art 81 Broadway
 Barrow, J. V., Jr. d 1144 E.
 Bartholomew, J. H., Jr., 24 367 WH.
 Bartlett, C. J., Prof. Emeritus (195 Church st.) 183 Bishop st.
 Bartlett, C. P., 24 480 H.
 Bartlett, M. K., 24 367 WH.
 Bartlett, T. P., 24 530 2d ave., West Haven
 Barton, E. R., g I P. O. Box 57, Hamden
 Barton, M. A., mus 567 Orange st.
 Bascom, F. S., 24 377 WH.
 Baskett, E. D., Asst. N.H.H.
 Bass, L. W., Asst., g I (K.C.L.) 12 Prospect pl.
 Bassett, R. M., 21 s 133 College st.
 Batchelder, H. B., 22 133 W.
 Bateman, A. M., Asst. Prof. (191 K.) 1 Everit st.

- Bates, M. W., g III
824 Lafayette st., Bridgeport
- Bates, R. C., 23 606 WR.
- Bates, T. L., 24 178 V-S.
- Battle, B. L., 23 240 D.
- Batty, N. C., 23 636 WR.
- Batty, R. C., 24 170 V-S.
- Bauer, H. A., 21 s 716 Dixwell ave.
- Baumgartner, H. L., Instr.
(s.M.H.) 379 Temple st.
- Baur, P. V. C., Asst. Prof. and Curator
(16 PH.) 166 Edgehill road
- Baxt, W. S., 23 s 634 Winchester ave.
- Baxter, H. R., 24 488 H.
- Beach, D. N., Sr. d Guilford
- Beach, F. E., Asst. Prof.
(61 S.P.L.) 177 Livingston st.
- Beach, F. W., 24 360 WH.
- Beach, H. P., Prof.
(A, D.L.) 229 Edwards st.
- Beach, J. C., 24 415 B.
- Beach, J. K., Prof.
(County Court House) 450 Temple st.
- Beals, C. S., Asst., g I (S.P.L.) 120 York st.
- Bean, P. W., 23 243 D.
- Beaney, W. V., 22 s 854 Dixwell ave.
- Beard, J. R., Jr., 22 672 WR.
- Beard, W. C., 24 148 V-S.
- *Beardsell, G. R., 24
- Beardsley, W., 23 627 WR.
- Beaumont, A. A., Jr., 21 784 M.Q.
- Beck, L., Bookkeeper
(13 H.) 375 Sherman ave.
- Beck, V. E., g I Ansonia
- Beckers, W. K., 24 414 B.
- Becket, G. C., 23 263 D.
- Beckwith, C. G., 23 4 Sheffield ave.
- Beebe, F. I., mus 93 Wood ave., Bridgeport
- Beer, E. A., 24 384 B.
- Beers, D. S., g I 3226 Main st., Stratford
- Beers, G. M., Clerk
(3 S.H.) 130 Cottage st.
- Beers, H. A., Prof. Emeritus 104 York sq.
- Beers, R. E., 24 123 V-S.
- Begg, C. T., 21 s 310 York st.
- Begien, E. J., 24 418 B.
- * Deceased.
- Beisler, S. A., 21 s 150 Ferry st.
- Belin, H., 3d, 24 153 V-S.
- Bell, A. M., Jr., 23 s 133 College st.
- Bell, M., Asst., g I (S.L.P.C.) 114 High st.
- Bellinger, A. R., Instr., g I
(12 L.) 1285 Boulevard
- Beltz, A. A., Jr., 23 s 96 Wall st.
- Benedict, J. B., 22 106 W.
- Benedict, W. St. J., Jr., 24 7-8 HW.
- Benét, S. V., g I Paris, France
- Benham, E., mus 271 Bassett st.
- Benjamin, W. W., 22 677 WR.
- Bennett, C. A. A., Asst. Prof.
(8 WR.) Route 105, New Haven
- Bennett, C. J., Lect.
69 Tremont st., Hartford
- Bennett, I. T., 21 s 8 Prospect pl.
- Bennett, J. D., 2d, 22 89 C.
- Bennett, J. G., 23 18 V.
- Benson, A. B., Asst. Prof.
(214 L.O.M.) 18 College st.
- Benson, P. E., 21 768 M.Q.
- Bentley, A. L., 24 144 V-S.
- Bentley, H. W., 23 254 D.
- Benton, F. S., Asst.
(B.M.L.) 1802 State st.
- Benton, W. B., 21 702 M.Q.
- Berard, S. J., Instr.
(111 WIN.) 20 Anderson st.
- Berdan, J. M., Asst. Prof. 15 A, WH.
- Bergeron, W. E., 24 365 WH.
- Berman, A., 21 s 35 Frank st.
- Berman, H., mus 68 Asylum st.
- Berman, M. M., 21 735 M.Q.
- Berman, S. I., 23 163 L.
- Bernardin, W. M., 24 497 H.
- Bernstein, L. J., 21 81 Cottage st.
- Bertinette, H. S., art 15 Summer st.
- Bettcher, G. D., 21 s 360 Temple st.
- Bettigole, H. A., 3 l 173 Edgewood ave.
- Betz, H., Instr. (34 N.S.H.) 1285 Boulevard
- Bewkes, E. G., Mid. d 274 Dwight st.
- Bickford, F. A., 23 142 L.
- Bidwell, P. W., Asst. Prof.
(4 S.H.) 238 Lawrence st.
- Bigelow, D. H., 23 616 WR.
- Biggert, P., 23 662 WR.
- Biggs, W. R., 22 54 V.

- Bill, A. S., 2 l 333 York st.
 Bingham, A. W., Jr., 22 5 v.
Bingham, H., Prof. 787 Prospect st.
 Bingham, R. J., 23 138 w.
 Bingham, W., 24 340 wh.
 Binney, E., Jr., 21 810 m.q.
 Binns, S. W., 24 441 fw.
 Biscoe, H. M., Jr., 24 476 h.
 Bishop, A., 20 754 m.q.
Bisbop, A. L., Prof.
 (6A, s.h.) 30 Lincoln st.
Bisbop, C. T., Asst. Prof.
 (123 A, win.) 284 Alden ave.
 Bishop, L. F., Jr., 21 s 360 Temple st.
Bisbop, L. G., Alumni Registrar
and Exec. Sec'y
 (117 Wall st.) 313 Norton st.
 Bishop, L. L., Jr., 23 156 l.
 Bishopric, A., Jr., 23 s 133 College st.
 Bissell, B. H., g l 89 Whalley ave.
 Bissell, M. H., g l 125 High st.
 Bitz, E. J., 23 131 w.
 Black, C. G., Jr., 24 163 v-s.
 Black, G., Jr., 1 l 333 York st.
 Black, S. L., 21 800 m.q.
 Black, W. D., Jr. f 1214 t.
 Blackmer, S. H., 24 498 h.
Blackmore, Major P. G., Asst. Prof.
 (A.H.) 1082 Chapel st.
 Blair, E. F., 24 353 wh.
 Blair, J. W., 23 1201 Chapel st.
 Blake, D. H., Jr., 23 257 d.
Blake, E. M., Instr. 55 Trumbull st.
 Blake, S. R., 24 127 v-s.
 Blanchard, J. A., 21 s 111 Grove st.
 Blankfein, J., 21 s 420 Temple st.
Blew, M. J., Asst., g l (s.h.) 5 Howe st.
 Blish, J. L., 22 8 v.
 Blodget, T. P., 21 817 m.q.
 Blodinger, L., 22 225 Putnam st.
 Bloedel, H. P., 21 798 m.q.
 Blood, M. C., 24 383 b.
Bloodgood, D. A., Mechanician
 (s.p.l.) 625 2d ave., West Haven
Bloor, Mrs. G. A., Bookkeeper
 (31 lib.) 558 Winthrop ave.
 Blum, J. L., 21 273 Dixwell ave.
 Blum, P. C., 21 s 196 f.
 Blum, R. E., 21 703 m.q.
- Blumen, M. E., 22 72 c.
 Blumenthal, H. J., 4 m N. H. Dispensary
Blumer, G., Prof.
 (195 Church st.) 64 Trumbull st.
 Boalt, R. G., 22 63 v.
 Boardman, B., 24 426 fw.
 Boardman, R. P., 21 s 467 fw.
 Boettcher, C., 24 188 v-s.
Bogart, L. H., Asst.
 (117 Wall st.) 684 Whitney ave.
 Bogert, L. V., 24 180 v-s.
Bogert, W. L., Instr.
 (s.m.h.) 25 Claremont ave.,
 New York City
Boggs, A. G., Asst. N.H.H.
Boggs, E., Asst. (B.M.L.) 246 Park st.
Boggs, E. D., Asst. (31 lib.) 285 Willow st.
 Bogin, H. H., 22 s
 635 Housatonic ave., Bridgeport
 Bogin, M., 23 s
 635 Housatonic ave., Bridgeport
 Bolton, K. B., 23 s 111 Grove st.
Boltwood, B. B., Prof. and Director
 (29 B, k.c.l.) 45 Trumbull st.
 Boltwood, C. G., 23 271 d.
 Bonin, E. G., 23 181 Goffe st.
Bonoff, Z. A., Asst. 387 George st.
 Bonsal, P. W., 24 448 fw.
 Boocock, L., 21 804 m.q.
 Bookwalter, J. F., 24 144 v-s.
Booth, C. E., Instr.
 (328 d.l.e.) Rocky Beach, West Haven
 Booth, M. P., g l
 R.F.D., Colonial Park, West Haven
Borchard, E. M., Prof.
 (HEN.) 211 St. Ronan st.
 Borden, J. C., 22 46 v.
 Bordley, J., 3d, 23 154 l.
 Borho, E. R., 21 s 166 Orange st.
Bostock, R. N., Asst., g l
 (K.C.L.) 124 Wall st.
Bostwick, T. A., Asst.
 (355 o.b.l.) 43 Livingston st.
 Bostwick, W. R., 23 257 d.
Bottume, M., Asst. (B.M.L.) Montowese
 Bouck, G. R., 23 148 l.
 Bousman, H. H., 21 775 m.q.
 Bovard, J. M., 24 457 fw.
 Bovey, M. K., 24 370 wh.

<i>Bowden, E. M., Stenog.</i> (U.S.B.) 1109 Chapel st.	<i>Brewer, G. E., Jr., 22</i> 89 c.
<i>Bowen, A. E., 21 s</i> 112 College st.	<i>Brewer, T. F., Jr., 23</i> 201 v.
<i>Bowen, A. L., 24</i> 1112 Chapel st.	<i>Brewster, J., mus</i> Litchfield
<i>Bowen, C. S., 22</i> 670 w.r.	<i>Brewster, M. H., 23 s</i> 352 Temple st.
<i>Bowen, J. R., 24</i> 375 wh.	<i>Brewster, W. K., 22 s</i> 352 Temple st.
<i>Bowen, R. H., Grad. d</i> London, England	<i>Brewster, W. R., 21</i> 801 m.q.
<i>Bowles, C. B., 24</i> 185 v-s.	<i>Bricken, C. E., 22</i> 45 v.
<i>Bowles, I. A., 3 l</i> 132 Howe st.	<i>Bricken, F. E., mus</i> 1102 t.
<i>Boyarsky, L., 24</i> 26, 128 High st.	<i>Bridge, J. P., 23 s</i> 84 Wall st.
<i>Boyd, H. F., g III</i> 31 Plum st., Fairfield	<i>Bridgman, J. B., 22</i> 101 w.
<i>Boyer, C. E., 23</i> 109 College st.	<i>Briggs, R. A., 22 s</i> 352 Temple st.
<i>Boyle, M. J., 22 s</i> 124 Prospect st.	<i>Briggs, W. C., 23</i> 252 d.
<i>Boyle, P., 23</i> 267 d.	<i>Brigham, R., 21</i> 725 m.q.
<i>Bozell, H. V., Asst. Prof.</i> (319 D.L.E.) 429 Edgewood ave.	<i>Brimicombe, G. M., 23 s</i> 124 Prospect st.
<i>Bozyan, H. F., Instr.</i> (s.m.h.) 379 Temple st.	<i>Brinckerhoff, E. V., 23 s</i> 17 Hillhouse ave.
<i>Brace, C. L., Jr., s</i> 123 Wall st.	<i>Brinckerhoff, J. H., 23 s</i> 119 College st.
<i>Bracher, R., mus</i> 130 Wall st.	<i>Brinkley, S. R., Instr.</i> (15 K.C.L.) 334 Yale ave.
<i>Brackett, T. S., 24</i> 370 wh.	<i>Brinkman, H. L., mus</i> 333 York st.
<i>Bradford, G. D., 21</i> 700 m.q.	<i>Bristol, L. T., Asst.</i> (117 Wall st.) 457 Norton st.
<i>Bradford, R. P., 23 s</i> 96 Wall st.	<i>Britton, P. S., 24</i> 465 r.w.
<i>Bradlin, J. H., 22</i> 107 w.	<i>Broadbent, S. R., Jr. f</i> 137 Mansfield st.
<i>Bradley, A. M., mus</i> 1138 Chapel st.	<i>Brobeil, F., 24</i> 391 3d ave., West Haven
<i>Bradley, C. H., Jr., 21</i> 758 m.q.	<i>Brock, D. C., 20 s</i> 370 Temple st.
<i>Bradley, E. H., 20</i> 309 Edwards st.	<i>Brock, G. C., 23 s</i> 156 Grove st.
<i>Bradley, W. H., Asst., g I</i> (κ.) 8 Prospect pl.	<i>Brockman, W. C., 22</i> 59 v.
<i>Bradner, W. M., 22</i> 141 w.	<i>Brody, W. L., 2</i> 402 Ferry st.
<i>Braginton, M. V., g I</i> 315 York st.	<i>Broenniman, E. R., 22</i> 31 v.
<i>Braisted, H. P., art</i> 291 Norton st.	<i>Brogan, H. C., 1 l</i> 333 York st.
<i>Bramlet, N. E., d</i> 576 George st.	<i>Brokaw, C. V., Jr., 24</i> 142 v-s.
<i>Brauer, H. E., g I</i> 162 York st.	<i>Bronson, F. W., 22</i> 52 v.
<i>Bray, E. W., g III</i> 315 York st.	<i>Brooke, C. F. T., Asst. Prof.</i> (3 L.) 103 Cottage st.
<i>Bray, J. W., Jr., 24</i> 160 v-s.	<i>Brooks, J., 23</i> 220 v.
<i>Brayton, W. B., Jr., 21 s</i> 96 Wall st.	<i>Brosler, E., 24</i> 6 Highland ave., Bridgeport
<i>Breckenridge, J. S., 24</i> 332 wh.	<i>Brott, J. O., 20</i> 188 v.
<i>Breckenridge, L. P., Prof.</i> (266 M.E.L.) 412 Humphrey st.	<i>Brown, A. F., 3 l</i> 80 Wall st.
<i>Bree, E. A., Asst.</i> (U.S.B.) 259 Lloyd st.	<i>Brown, A. S., 23</i> 163 L.
<i>Breed, R. P., 23</i> 634 w.r.	<i>Brown, B., 2 l</i> 135 Wall st.
<i>Brend, W. R., 21 s</i> 1103 E.	<i>Brown, C. M., Asst.</i> (309 o.z.L.) 45 Center st., West Haven
<i>Brennan, E. J., Asst.</i> 42 College st.	<i>Brown, C. R., Dean and Pastor</i> Univ. Church (1168 t.) 233 Edwards st.
<i>Brennan, E. J., 22</i> 110 w.	<i>Brown, C. R., 24</i> 12 H.W.A.
<i>Brenner, M., 23</i> 53 Pearl st.	<i>Brown, D. E., 24</i> 110 Pendleton st.
<i>Breslav, W., 23 s</i> 84 Wall st.	<i>Brown, D. F., 21 s</i> 1 Hillhouse ave.
<i>Breslin, J. E., 1 l</i> 371 Crown st.	
<i>Brewer, C. H., g I</i> Branford	

- Brown, E. A., 23 s 110 Pendleton st.
 Brown, E. B., Asst., g I (S.C.L.) 275 Dwight st.
 Brown, E. L., g I 856 Howard ave.
 Brown, E. W., Prof. (31 S.L.H.) 116 Everit st.
 Brown, G. D., 21 s 370 Temple st.
 Brown, H. B., Sec'y (A.H.) 170 Cold Spring st.
 Brown, H. T., 23 262 D.
 Brown, K. S., 23 213 F.
 Brown, M. A., g I 130 Wall st.
 Brown, M. S., 21 s 360 Temple st.
 Brown, P., g I 250 Crown st.
 Brown, R. A., Jr., 22 106 W.
 Brown, R. C., 22 s 352 Temple st.
 Brown, R. W., mus 123 Winchester ave.
 Brown, S., Asst. (N. H. Dispensary) 51 Admiral st., West Haven
 Brown, W. E., 21 s 370 Temple st.
 Brown, W. L., mus West Haven
 Browne, J. A., g I 114 High st.
 Browne, L., g I Waterbury
 Browning, P. E., Asst. Prof. (37 K.C.L.) 23 Edgehill road
 Bruce, E. N., Jr. d 1161 T.
 Brucker, R. K., 24 65 Myrtle ave., Bridgeport
 Brugger, A., Cat. (4 LIB.) 75 Whalley ave.
 Brumbaugh, L. A., Mid. d 1127 E.
 Bryan, E. H., Jr., Asst., 21 s 82 Wall st.
 Bryant, G., 24 423 FW.
 Bryant, Mrs., L. K., Asst. (4 LIB.) 327 Shelton ave.
 Bryant, N. W., 23 158 L.
 Bryant, R. C., Prof. (MAR.) 305 Lawrence st.
 Bryce, C. T., Asst. Prof. (D.E.) 516 Orange st.
 Bryngelson, R. A., Jr. d 1123 E.
 Bryson, C. F., 20 s 370 Temple st.
 Buchalter, N., Jr., 21 s 32 Gilbert st.
 Buck, E. H., 23 637 WR.
 Buck, H. S., Instr. 242 York st.
 Buck, N. S., Instr. 443 FW.
 Buckingham, O., 23 208 F.
 Buckland, C. C., 22 80 C.
 Buckler, W., Sec'y (G.H.) 172 East Rock road
 Buckley, R. C., 1 m 426 George st.
 Buell, I. A., g I 52 Howe st.
 Buell, L. M., Instr. (209 L.O.M.) 328 Temple st.
 Buffinton, A. T., 22 99 W.
 Buffinton, E., 21 750 M.Q.
 Bugbee, A. C., 1 l, g III 315 York st.
 Bulkeley, G. C., Sec'y (316 D.L.E.) 192 Dwight st.
 Bulkeley, C. G., 24 133 V-S.
 Bulkeley, D. T., 23 s 84 Wall st.
 Bulkeley, J. O., 23 161 L.
 Bullard, E. F., 21 s 111 Grove st.
 Buller, F. P., Mid. d 148 Clifton st.
 Bump, R. L., 21 s 114 College st.
 *Bumstead, H. A., Prof. and Director
 Bundy, F. M., 21 813 M.Q.
 Bunnell, C. S., 24 181 V-S.
 Bunnell, L. B., mus 239 Everit st.
 Burbridge, G. K., 24 337 WH.
 Burdett, D. A., 23 s 119 College st.
 Burdick, E. B., 24 127 V-S.
 Burisch, J. L., 2 m 162 York st.
 Burke, F. A., 23 s 411 Temple st.
 Burnett, D., 24 383 B.
 Burnham, A. C., 2d, 23 s 17 Hillhouse ave.
 Burnham, W. H., 2d, 23 601 WR.
 Burns, J. H., 1 l 27 Elizabeth st., Waterbury
 Burns, J. P., 21 s HW.A.
 Burns, R. K., Asst., g I O.Z.L.
 Burpee, S., 24 476 H.
 Burr, H. S., Asst. Prof. (7 M.S.) 225 Bishop st.
 Burrill, R. H., 21 s 17 Hillhouse ave.
 Burwell, J. S., 21 733 M.Q.
 Buse, H. B., Asst. (M.E.L.) 44 Pardee pl., Westville
 Bush, A. R., mus 105 Tremont st., Ansonia
 Bush, D. S., 24 466 FW.
 Bush, J. S., 22 68 V.
 Bushman, C. S., 3 l 71 College st.
 Bushnell, H. T., 22 5 V.
 Bushnell, P. P., 21 814 M.Q.
 * Deceased.

Butler, F. W., 24	449 FW.	Carlson, M. A., 21 s	
Butler, P. T., 22	78 C.		Foxon st., East Haven
Butler, S., 24	462 FW.	<i>Carmalt, W. H., Prof. Emeritus</i>	
<i>Buwalda, J. P., Asst. Prof.</i>			261 St. Ronan st.
(3 H.H.) 391 Edgewood ave.		Carman, J. L., Jr., 22	80 C.
Byrne, F. J. C., 23	605 WR.	Carmichael, A. R., 24	167 v-s.
Byrne, G. H., 24	450 FW.	Carpenter, L. G., 24	498 H.
Byron, R. A., 21	717 M.Q.	<i>Carpentieri, C., Asst.</i>	
		(330 Cedar st.) 81 Barclay st.	
C AIN, H. V., <i>mus</i>	7 Lyon st.	Carr, R. C., 24	144 v-s.
Cairns, A. A., 23	239 D.	Carr, W. J., 21	318 York st.
Cairns, J. C., 22	12 V.	Carrington, J. B., Jr., 23	262 D.
Caldwell, H. N., 31	80 Wall st.	Carrington, V. B., <i>mus</i>	759 George st.
<i>Caldwell, L. H., Instr., Jr. d</i>		Carroll, C. B., 21	824 M.Q.
(134 WIN.) 1131 E.		Carroll, E. C., 11	371 Crown st.
Caldwell, S. P., 24	409 B.	Carroll, H. G., 21 s	1158 T.
Calhoun, J. C., 22	666 WR.	Carroll, J. E., 1 m	30 Winchester ave.
<i>Calhoun, R. L., Instr., Grad. d, g II</i>	1216 T.	Carroll, W. D., <i>Jr. d</i>	1194 E.
Callahan, J. T., 18 s	17 Hillhouse ave.	Carrozzella, J. C., 24	156 Grove st.
<i>Callaban, M. L., Cat.</i>		Carson, D. A., s	251 Crown st.
(4 LIB.) 1538 Boulevard		Carson, R., 3d, 21	760 M.Q.
Camden, H. P., Jr., <i>art</i>	226 York st.	Carter, C. E., <i>Jr. f</i>	41 Woodland st.
Cameron, A. G., Jr., 24	401 B.	Carter, D. G., 24	433 FW.
Campbell, D. M., g1	318 York st.	Carter, J. F., Jr., g1	Paris, France
Campbell, G. H., 24	21, 128 High st.	Carter, P., 23	661 WR.
Campbell, H., 19 s	133 College st.	Cary, A. P., 23 s	133 College st.
Campbell, J. D., 24	339 WH.	Cary, R. L., 22 s	133 College st.
Campbell, J. W., 22	81 C.	Case, A. E., g1	124 Wall st.
Campbell, K. A., Jr., 23	160 L.	Case, B. W., Jr., 31	371 Crown st.
Campbell, M. M., 31	333 York st.	<i>Case, F. H., Asst., g1</i>	124 Wall st.
Campbell, R. E., 21 s, <i>Jr. f</i>	111 Grove st.	Casey, E. L., 11	
Campbell, T., 23	216 F.		120 Pequonnock st., Bridgeport
Canaan, L., 24	177 v-s.	Casey, M. A., 23	253 D.
<i>Canby, H. S., Advis. and Asst. Prof.</i>		Caskey, K. B., 24	381 WH.
47 Charlton st., New York City		Cassard, D. V., 22	116 W.
Cannon, J. E., 31	119 Wall st.	Casteleiro, S. J., 24	411 B.
Cannon, L. T., g1	108 Everit st.	Caswell, J. L., 24	185 v-s.
Canterbury, D. N., <i>f</i>	41 Woodland st.	Catlin, R. M., Jr., 22 s	111 Grove st.
Canty, W. J., 23 s	529 Winchester ave.	Caughy, M., g1	1285 Boulevard
Caplan, H., 23 s	24 Vernon st.	Cave, H. S., g1	120 Pendleton st.
Caple, E. E., 11	24 Dickerman st.	Celeste, J. L., g1	124 Wall st.
Cappelli, L. W., 21	333 York st.	Chalmers, A. K., <i>Mid. d</i>	1173 T.
Caprin, V. I., 22 s	642 Elm st.	Chamberlain, A. S., 22 s	124 Prospect st.
Carey, E. L., 22 s		Chamberlain, J. R., 24	148 v-s.
		Chamberlaine, C. F. L., 24	149 v-s.
		Chamberlin, F. S., 24	428 FW.
		Chamberlin, W. M., 11	
			262 Kenyon st., Hartford
Carhart, M. S., g1	125 High st.	Chambers, W. F., 22	37 v.
Carl, W. A., 21 s	124 Prospect st.		
Carley, H. G., 21 s	17 Hillhouse ave.		

- Chandler, C. A., 1 l 1147 E.
 Chandler, C. O., 22 198 F.
 Channin, S. N., 24 20 HW.
 Chaplowe, I., 2 l 87 Asylum st.
 Chapman, G. W., 24 174 v-s.
Chapman, H. H., Prof.
 (MAR.) 27 West Rock ave.
Chapman, J. C., Associate Prof.
 (D.E.) 1542 Whitney ave., Hamden
 Chapman, K. M., g I 1194 T.
 Chappell, D. A., 1 l 197 York st.
 Chapple, J. B., 23 94 W.
 Chapple, J. W., 21 753 M.Q.
 Charlton, T. J., Jr., 2 m 219 York st.
 Chase, C. W., 23 s 17 Hillhouse ave.
 Chase, E. R., 21 821 M.Q.
 Chase, G. J., *mus* 17 Beers st.
 Chase, H. H., 21 s 78 Wall st.
Chatfield, R. M., Asst.
 (WOOD.) 188 Dwight st.
 Chatfield-Taylor, O., 23 647 WR.
 Cheel, H. W., g I 125 High st.
 Cheney, H. B., Jr., 21 806 M.Q.
 Cheney, M. C., 24 113 v-s.
 Cheney, W., 22 65 v.
 Cheplin, H. A., g I 36 Mansfield st.
 Chernoff, B. M., 24 400 B.
 Cherry, A. C., 21 s 995 Yale P. O.
 Cherry, H. S., 21 1101 E.
 Chess, D. W., 24 440 FW.
 Chetlain, F. H., 23 167 L.
 Chiang, K.-T., 23 s 333 York st.
 Chichester, C. S., 24 1 B.M.H.
 Chidsey, S. F., 22 83 c.
 Childs, P., 22 88 c.
 Chisholm, W., 2d, 24 143 v-s.
 Chittenden, E. A., Jr., 22 75 c.
 Chittenden, F. D., 23 s 154 Grafton st.
Chittenden, R. H., Director and Prof.
 (3 s.H.) 83 Trumbull st.
 Christopherson, E., g I O.B.L.
 Chubb, T. C., 22 36 v.
 Churchill, G. W., *Mid. d* 1131 E.
 Churgin, P., g I 36 Park st.
 Ciampolini, E., g I 389 Orange st.
 Cirno, A. B., *mus* 627 Chapel st.
 Claridge, F. H., 23 s 195 Ivy st.
 Clark, A. B., g I 114 High st.
 Clark, A. D., 19 s 119 College st.
 Clark, C. C., *Grad. l* 333 York st.
 Clark, C. C., *Sr. d* 17 Grafton st.
Clark, C. E., Asst. Prof.
 (HEN.) 162 West Rock ave.
 Clark, C. J., Jr., 21 749 M.Q.
 Clark, E. C., Jr., 21 s 360 Temple st.
 Clark, E. C., 22 40 v.
 Clark, E. C., 23 642 WR.
Clark, E. F., Clerk (U.S.B.) 281 Lloyd st.
 Clark, F. P., 23 s 310 York st.
 Clark, F. W., 24 483 H.
 Clark, H. P., 21 740 M.Q.
 Clark, J. B., 23 s 337 Humphrey st.
**Clark, J. E., Prof. Emeritus*
 Clark, J. E., g I 315 York st.
 Clark, J. S., 21 818 M.Q.
 Clark, K. W., 24 339 WH.
 Clark, M., 22 3 v.
 Clark, M., 24 442 FW.
 Clark, R. A., 21 56 Mansfield st.
 Clark, R. J., 24 427 FW.
 Clark, R. S., 23 s 111 Grove st.
 Clark, S. O., Jr., 21 s 310 York st.
 Clark, T. H., 21 770 M.Q.
 Clark, W. H., 23 608 WR.
Clarke, C. C., Prof.
 (218 L.O.M.) 254 Bradley st.
 Clarke, C. L., 22 124 W.
 Clarke, D. C., 22 739 M.Q.
 Clarke, F. D., 23 s 17 Hillhouse ave.
 Clarke, G. A., 21 s 73 Edgewood ave.
 Clarkson, R. L., 22 s 152 Grove st.
 Clay, A. G., 21 401 Humphrey st.
Clay, A. T., Prof. and Curator
 (202 O.Z.L.) 401 Humphrey st.
 Clay, C. M., 3 l 107 Avon st.
 Clements, D. S., g I 8 Prospect pl.
 Cleveland, F. D., Jr., 21 s 119 College st.
 Clifford, J. P., 23 s 111 Grove st.
 Clifford, P. F., 23 656 WR.
Clinton, G. P., Lect.
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 Clise, J. W., Jr., 22 s 148 Grove st.
 Closson, H. W., *mus* 1177 T.
 Clow, H. B., Jr., 24 459 FW.
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 Coates, J. E., Jr., 22 7 v.
 Coates, J. M., 24 180 v-s.
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 Cobey, M., *Clerk* (MAR.) 53 Pearl st.
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 Coe, A. B., *Sec'y, Mid. d* B.M.H.
 Coe, W. R., *Prof. and Curator*
 (231 O.Z.L.) 175 Bishop st.
 Coffee, J. M., *Grad. I* 70 Trumbull st.
 Cofrancesco, H. F., 22 21 Baldwin st.
 Cofrancesco, P. F., *art* 44 Frank st.
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 Coggeshall, J., 23 654 W.R.
 Cohen, A. F., 21 783 M.Q.
 Cohen, B., g I 125 High st.
 Cohen, E. E., g I 299 York st.
 Cohen, H., 24 185 Winthrop ave.
 Cohen, H. A., 23 11 Broad st.
 Cohen, J. W., 22 115 W.
 Cohen, L. S., 1 I
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 Cohen, W., 2 m 210 Wolcott st.
 Coke, W. H., 22 s 111 Grove st.
 Colburn, D. P., 23 155 L.
 Coleman, A. I., *mus* 296 Lenox st.
 Coleman, A. P., g I 126 Wall st.
 Coleman, E. H., 24 139 v-s.
 Coleman, J. S., Jr., 23 200 F.
 Colgate, G., Jr., 22 49 v.
 Colgate, R. B., 24 480 H.
 Collett, A. R., *Asst.*, g I 124 Wall st.
 Collins, F. vanD., 23 s 1207 T.
 Collins, J. L., 3 I 33 Elizabeth st.
 Collins, L. P., 1 I 74 Wall st.
 Collins, W. S., *Mid. d* 1423 Yale P. O.
 Collins, W. T., 23 s 124 Prospect st.
 Colman, J. H., 3 I 80 Wall st.
 Colton, G. W., 21 s 352 Temple st.
 Colvin, W. C., 21 s 342 Sherman ave.
 Colwell, H. S., *Med. Asst.*
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 Comfort, C. W., Jr., *Instr.*
 (N. H. Dispensary) 1193 Chapel st.
 Comstock, F. B., 23 220 F.
 Conaty, J. D., *art* Guilford
 Concepcion, I., g III 311 York st.
 Congdon, J. M., 22 57 v.
 Congdon, R., 21 701 M.Q.
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 Conklin, W. C., 21 815 M.Q.
 Conley, C. H., g I
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 Connell, J. R., 22 56 v.
 Connelly, C. R., 23 135 Dover st.
 Connor, R. J., 21 s 64 Lilac st.
 Conrad, K. P., 21 711 M.Q.
 Considine, J. W., Jr., 21 s
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 Consoli, L., *mus* 91 James st., Bridgeport
 Conte, H. A., *Asst.* 312 St. John st.
 Converse, E. F., 21 737 M.Q.
 Conway, T. L., 24 160 v-s.
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 Cook, F. H., 22 50 v.
 Cook, H. A., 21 s
 59 Bridgeport ave., Shelton
 Cook, H. L., 2 I 121 Wall st.
 Cook, R. J., *Asst. Prof.*
 (N.H.H.) 13 University pl.
 Cook, S., 23 149 L.
 Cook, S. A., g I 20 Brownell st.
 Cooke, A. M., 22 s 8 Prospect pl.
 Cooke, D. A., 24 107 v-s.
 Cooke, F. T., *Mid. d*, g II 1128 E.
 Cooke, H. B., 23 656 W.R.
 Cooke, T. T., 1 I 340 Edwards st.
 Cooksey, C. D., *Instr.*
 (14 S.P.L.) 104 Huntington st.
 Cooksey, D., g I 331 Temple st.
 Cooley, H. W., 21 704 M.Q.
 Cooley, M. P., *Sec'y*
 (266 M.E.L.) 71 College st.
 Coolidge, S. B., Jr., 24 477 H.
 Cooper, A. M., 23 204 F.
 Cooper, C. E., 3 I 333 York st.
 Cooper, D., *mus*
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 Cooper, E. G., *Clerk*
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 Cooper, F. L., *Instr.* (11 S.P.L.) 40 Lake pl.
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 Cooper, L. F., 21 801 M.Q.
 Cooper, P., Jr. d 1156 T.
 Cooper, P. F., 21 801 M.Q.
 Cooper, R. K., 22 43 v.
 Cooper, S. M., 24 445 F.W.

- Cooper, W. R., 22 1174 T.
 Cooperstock, M., 23 589 Chapel st.
 Corbett, B. P., 23 320 Whalley ave.
Corbett, M. C., Instr.
 (271 M.E.L.) 152 Grove st.
Corbin, A. L., Prof.
 (32 HEN.) 253 St. Ronan st.
 Corbin, A. L., Jr., 23 604 WR.
 Corbin, G. M., 24 104 V-S.
 Cordopatis, J. M., 23 237 D.
 Corey, D. K., 24 31 HART
Corley, A. H., Asst. Prof. (20 B.) 396 B.
 Cormack, G. S., 2 l
 The Milford School, Milford
 Cornell, J. N., 24 2 B.M.H.
 Cornwell, G. G., Jr., 24 362 WH.
 Corrigan, J. J., 24 532 Yale P. O.
 Corwin, F. D., 24 427 FW.
Corwin, M. T., Exec. Sec'y
 (G.H.) 247 St. Ronan st.
 Corwin, O. M., Jr., 23 244 D.
Corwin, R. N., Prof. and Chair-
man Board of Admissions
 (100 Wall st.) 247 St. Ronan st.
 Cosgrove, T. F., 23 s 370 Temple st.
 Cosman, P. L., d 145 Blatchley ave.
 Cotter, J., 23 616 WR.
 Cottiero, T., 23 s 63 Warren st.
 Cotton, E. M., 24 377 WH.
 Cottrell, C. P., Jr., 21 s 133 College st.
 Couch, F. W., 24 161 Gilbert ave.
 Couch, W. E., Jr. d 1211 T.
 Coulombe, L. J., s
 Prospect Beach, West Haven
Counts, G. S., Associate Prof.
 (D.E.) 146 Mansfield st.
 Covert, P. C., 24 430 FW.
 Covert, W. H., Mid. d 1195 T.
 Covington, J. C., 2 l 1200 T.
 Covone, M., mus 82 Bradley st.
Cowgill, G. R., Asst., g I
 (S.L.P.C.) 70 Trumbull st.
 Cowing, H. H., g I 364 Orange st.
 Cowles, G. P., 23 s 119 College st.
 Cowles, P. B., 21 816 M.Q.
 Cowles, W. H., Jr., 24 482 H.
 Cowles, W. S., Jr., 21 750 M.Q.
 Cox, E. A., mus 12 Pond st., Milford
 Cox, H. A., Sr. d 1181 T.
 Cox, W. W., 21 s 96 Wall st.
 Cox, F., 21 704 M.Q.
 Cox, T. C., Jr., 21 788 M.Q.
 Crafts, W., 24 504 H.
 Cragin, E. B., 22 59 V.
 Craig, W. J., 4 m 330 Cedar st.
 Crane, P. H., 22 60 V.
 Crannell, L. M., 24 371 Crown st.
 Crapanzano, F., 2 l 51 Vernon st.
 Craven, A. W., Jr., 23 635 WR.
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Appts. (H.) 97 Canner st.
 Crawford, A. J., 23 249 D.
 Crawford, R. P., 23 s 126 High st.
Crawford, J. R., Asst. Prof.
 (207 L.O.M.) 14 Lincoln st.
Creadick, A. N., Asst. Prof.
 (B.M.L.) 96 Marvel road
 Crenshaw, J. W., 2 l 883 Orange st.
 Cretella, A. W., 3 l 104 Hamilton st.
 Crimmins, M. L., Jr., 24 447 FW.
 Cristiano, A. M., 22 s 175 Chestnut st.
 Crittenden, C. C., 23 165 L.
 Crocker, N. S., 19 797 M.Q.
 Crosby, A. H., 22 674 WR.
 Crosby, F. M., Jr., 24 479 H.
 Croskey, W. W., 23 639 WR.
 Cross, H. K., 23 120 W.
Cross, W. L., Dean and Prof.
 (G.H.) 24 Edgehill road
 Crouch, J. E., 23 s 84 Wall st.
 Crowell, D. V., 24 472 H.
 Crowell, H. C., 21 s 516 Orange st.
Crowell, M. W., Asst. (WOOD.) 882 Elm st.
 Crowley, F., 24 407 B.
 Cruess, C. E., art 295 York st.
 Cruikshank, P. H., 23 251 D.
Crum, W. L., Instr. (32 S.L.H.) 399 B.
 Crummey, E., 24 5-6 HW.
 Crummey, S. M., 24 188 V-S.
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 42 Bishop st., Waterbury
 Culbertson, E. A., 21 s 17 Hillhouse ave.
 Culbertson, P. T., 23 166 L.
 Cullom, H. E., 24 499 H.
 Cullum, A. M., 24 494 H.
 Culver, M. P., Grad. d, g II
 60 Edwards st.
 Culver, R. B., g I 20 Livingston st.

- Cumming, F. D., 23 s 119 College st.
 Cumming, S. W., 23 s 17 Hillhouse ave.
Cummings, A. E., Asst.
 (H.) 244 Bradley st.
 Cummings, E. H., Jr., 23 265 D.
 Cummins, E. E., g I 432 Oak st.
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Curran, H. M., Lect.
 Hotel Collingwood, New York City
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 Curtis, J. G., 21 747 M.Q.
 Curtis, L. P., 23 154 L.
 Curtis, R. M., 23 250 Crown st.
 Curtis, W. L., 24 425 FW.
 Curtiss, J. T., Jr., 23 175 L.
 Cushing, M. W., 24 23-24 HART
 Cutler, E. N., 23 s 133 College st.
 Cutler, J. W., Jr., 20 s 133 College st.
 Cutts, N. E., g I 74 West Rock ave.
Cylke, F. A., Asst. (4 LIB.) 162 Porter st.
 Czatt, M. S., *Mid. d* 1163 T.
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 Dacier, A. M., *mus*
 55 Loveland st., Middletown
 Dahl, E. A., 23 150 L.
Dahl, G., Asst. Prof.
 (1112 E.) 93 Linden st.
 Dale, A. B., g I 114 High st.
 Dalton, A. S., 23 s 370 Temple st.
 Dalton, J. B., Jr. d 1204 T.
 Dalton, W. A., *Sr. d* 1162 T.
 D'Amato, A., *mus* 6 Olive st.
Dana, E. S., Prof. Emeritus
 24 Hillhouse ave.
 Danaher, J. A., 2 l 124 High st.
 Dane, C. H., *Asst., g I* 126 Wall st.
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 Darlington, S. P., 2d, 21 s
 17 Hillhouse ave.
 Darmstaetter, C. J., 23 s
 17 Hillhouse ave.
- Darrell, R. D., 21 816 M.Q.
 Dater, W. F., 22 32 v.
 Daugherty, E. A., 23 s 17 Hillhouse ave.
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Davenport, H., Asst. Prof.
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 Davidonis, G. P., *mus*
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 Davidson, D., 21 s 76 Wall st.
 Davidson, F. B., 22 95 W.
 Davidson, H., 22 s 130 Sylvan ave.
 Davidson, R. C., 24 1 H.W.A.
 Davies, J. T., 2 l 745 Orange st.
 Davis, D. T., 23 174 L.
 Davis, E. L., Jr., 23 s 111 Grove st.
 Davis, G. E., *mus*
 142 Washington ave., Seymour
Davis, G. L., Asst. G.
 Davis, J. K., 23 204 F.
 Davis, L. D. N., 23 652 WR.
 Davis, R. H., Jr., 21 s 119 College st.
Davis, S. M., Asst. (4 LIB.) 57 Grove st.
 Davis, W. C., *Grad. d, g II* 1192 T.
Davison, Capt. D. A., Asst. Prof.
 (52 N.S.H.) 743 Orange st.
 Davison, H. C., 23 s 133 College st.
 Davisson, O. F., Jr., 21 823 M.Q.
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 Day, G. M., 22 675 WR.
Day, G. P., Treasurer (WOOD.) 40 Wall st.
 Day, H. T., 23 235 D.
 Day, L. A., 23 663 WR.
 Day, S. S., *Sec'y* DW.
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 Deegan, C. F., 22 64 Sheffield ave.
 DeFonso, L. J., 21 s 22 Prince st.

- DeForest, E., 22 s 148 Grove st.
deForest, K., Sec'y (HEN.) 361 Orange st.
 Degen, L., 23 238 D.
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 Deming, N. L., Jr., 24 489 H.
 DeMond, W. H., Jr., *art* Guilford
 Denny, T., Jr., 21 s 133 College st.
 Depew, G. G., 2 l 135 Whitney ave.
 dePinto, J. P., *Grad. d.*, g II 1210 T.
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 Derby, J. B., 23 149 L.
 deSibour, H. L. J., 23 219 F.
 D'Esopo, D. A., 1 m 250 Crown st.
 Deuel, H. J., Jr., g I 44 Dwight st.
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 DeVane, W. C., Jr., g I 1149 E.
deVilaine, E. G., Instr. 190 York st.
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deWeerd, O. N., Instr., g I (P.L.) 1107 E.
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 Dewing, E. S., 23 s 111 Grove st.
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 Dial, R. S., 22 25 V.
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Diedricksen, T., Asst. 343 York st.
 Diefendorf, A. C., 21 s 360 Temple st.
Diefendorf, A. R., Lect.
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 Diller, J. C., 24 361 WH.
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 Dodd, N., 21 s 111 Grove st.
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Donleavy, J. J., Instr.
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 Doolittle, R. J., d 576 George st.
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 Douglas, W., *art* 187 F.
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 6 Cherry st., Wallingford
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 Drake, J. B., Jr., 23 634 WR.
 Draper, J. R., 22 117 W.
 Draper, T. H., 21 s
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 Dreher, A. C., 2 m 430 George st.
Drew, R. P., Asst., g I 124 Wall st.
 Drucker, D., 24 177 V-S.
 Dry, L., *Mid. d* 133 Howe st.
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 Dudley, R. P., 23 156 L.
Dudley, S. W. Prof.
 (273 M.E.L.) 15 Austin st.

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 Duncombe, H. S., Jr., 2 l 333 York st.
 Dunbam, E. C., *Instr.* 30 Howe st.
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 Dunham, W. H., Jr., 23 658 wr.
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 Dunn, J. V., 21 s 124 Prospect st.
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 Dwight, T. W., 23 629 wr.
 Dwyer, C. E., 1 m 153 York st.
 Dwyer, J. V., 21 s 96 Wall st.
 Dyer, G. T., Jr., 23 200 F.
 Dziadik, W. B., 21 s 1103 E.
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 Eagan, H. C., 2 l 130 Osborn ave.
 Eagan, J. T., 4 m 457 Ferry st.
 Easton, J. G., g I 410 B.
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 Ehrich, W. J., Jr., 24 470 fw.
 Ehrman, H. M., 21 762 m.Q.
 Elder, S. J., Jr., 24 439 fw.
 Eldridge, J. S., 21 734 m.Q.
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 Elliot, N. P., *Sec'y* (100 Wall st.) 366 Edgewood ave.
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 Emanuelson, H. L., 22 668 wr.
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 Emerson, G. G., 24 153 v-s.
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 Engel, L. P., *Asst.* N.H.H.
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 English, W., 23 s 17 Hillhouse ave.
 Epstein, J., 24 168 James st.
 Epstein, J., 2 m 835 Yale P. O.
 Erdman, A. W., Jr., 21 s 352 Temple st.
 Erickson, C. G., g I 125 High st.
 Erickson, H. A., 24 409 B.
 Errico, L., 4 m 82 Cove st.
 Erwin, G. H., s 370 Temple st.
 Esgar, H. C., *Asst., g I* 124 Wall st.
 Espino, J. M., g I 124 Wall st.
 Esposito, J. V., 2 l 231 Greene st.
 Esselstyn, C. B., 24 429 fw.
 Estill, G. N., 23 629 wr.

- Euwer, L. C., 1 / 745 M.Q.
Evans, A. W., Prof. and Curator
 (350 O.B.L.) 299 Lawrence st.
 Evans, B., 24 356 WH.
 Evans, F. M., 22 23 V.
 Evans, J. C., 3d, 24 105 V-S.
 Evans, J. G., 24 105 V-S.
 Evans, J. L., 23 234 D.
 Evans, L., 22 133 Greenwood st.
 Evans, M., 2d, 22 671 WR.
 Evans, O., 23 111 W.
 Evans, T. R., 2d, 23 s 111 Grove st.
 Evarts, P., 2d, 23 179 L.
 Everett, E., 2 / 333 York st.
 Everett, S. M., 21 s 118 York st.
 Everitt, C. R., 23 234 D.
 Everroad, R. W., Sr. d 1140 E.
 Eversull, H. K., *Mid. d*
 50 High st., East Haven
 Every, R. H., 24 9 B.M.H.
 Ewart, J. H. M., 24 376 WH.
 Ewing, S., 24 486 H.
 Ewing, W. F. C., 21 701 M.Q.
Exner, F. M., Asst., g I (S.P.L.) 51 Avon st.
- F**AGAN, L. J., 21 s
 115 Linsley ave., Meriden
 Failey, C. F., 21 s 1 Hillhouse ave.
 Failing, R. G., 23 623 WR.
 Fairbank, B. M., 21 s 311 York st.
Fairchild, F. R., Prof.
 (15 S.L.H.) Davis st., Whitneyville
 Fairfax, W. B., 24 431 FW.
 Fairhurst, H. D., 23 268 D.
Faison, G. H., Cat.
 (4 LIB.) 1220 Chapel st.
 Fales, E. F., d 576 George st.
Falk, I. S., Asst., g I (N.S.) 313 York st.
 Falk, L., Jr., 24 150 V-S.
 Fappiano, P., *mus* 521 Oak st.
 Faris, R., 23 662 WR.
 Farish, H., Jr. d 1195 T.
 Farmer, E. H., Jr. d 1136 E.
Farnam, H. W., Prof. Emeritus
 43 Hillhouse ave.
Farnam, K. K., Social Service Worker
 (N. H. Dispensary) 43 Hillhouse ave.
Farnham, C. S., Asst. Prof.
 (115 WIN.) 211 Norton st.
- Farnham, H. W., 21 s 59 Wall st.
 Farnsworth, V., Jr., 24 497 H.
Farr, H. A., Ch'm Coll. Soph. Fac.
and Asst. Prof. (c.) 603 WR.
Farrand, M., Prof. (Yale P. O.) Hotel Taft
 Farrell, H. F., 3 m 201 Putnam st.
 Farrell, J. A., Jr., 23 s 111 Grove st.
 Farrell, J. C., 24 472 H.
 Farwell, A., 22 s 111 Grove st.
 Farwell, J. I., 24 13-14 HART
 Faulkner, L. M., 21 s 352 Temple st.
 Faurot, W. S., 21 s 133 College st.
 Faville, C. S., 24 350 WH.
 Fawcett, J. R., 23 165 L.
 Faye, L. A., 21 754 M.Q.
 Fedoroff, V. N., 24 127 Butler st.
 Feigin, S., g I 146 York st.
 Feldman, S. H., 23 67 Grove st.
 Fellows, W., 24 354 WH.
 Fenberg, M., 2 / 23 Trumbull st.
 Fenn, W. H., Jr., 24 181 V-S.
 Ferguson, A., 21 s 1 Hillhouse ave.
 Ferguson, I. B., Jr., 23 s 139 High st.
 Ferguson, J. A., Jr., 23 s 119 College st.
 Ferguson, K. A., *mus* 147 Lamberton st.
 Ferris, A. C., *mus* 108 Cold Spring st.
Ferris, H. B., Prof.
 (7 M.S.) 395 St. Ronan st.
 Ferris, H. W., 21 790 M.Q.
 Ferry, W. H., Jr., 23 s 17 Hillhouse ave.
 Field, F., 24 176 V-S.
 Field, J. M., 23 252 D.
 Field, K. H., 23 s 119 College st.
 Field, M. W., *art* 33 Lynwood pl.
 Finch, A. A., *mus* 84 Wall st.
 Finkelstein, H., 24 17 HW.
 Finney, R., 23 s 96 Wall st.
 Fiondella, J. A., *art* 1270 Townsend ave.
 Fiorillo, A. F., *mus* 41 Elliott st.
Fischer, E. J., Instr., g I
 (151 C, S.C.L.) 146 McKinley ave.
 Fischer, H. W., 23 s 370 Temple st.
 Fish, J. E., 23 184 Putnam st.
Fisher, I., Prof. 460 Prospect st.
 Fisher, I. N., 23 148 L.
 Fisher, M. L., 1 m 1201 Chapel st.
 Fisk, A. L., Jr., 23 610 WR.
 Fiske, R. B., 23 631 WR.

- Fiskio, P. W., 24 19 Madison st.
 Fitch, R. E., 23 157 L.
Fitbrian, J. H., Jr., Instr., g I
 (34 N.S.H.) 124 Wall st.
 Flagler, H., 3 l 84 Trumbull st.
 Flanders, F. A., 23 s 111 Grove st.
 Flannigan, C. J., 24 116 College st.
 Fleeson, H. T., 2 l 333 York st.
 Fleischer, A., 24 458 FW.
 Fleischman, F., Jr., 23 602 WR.
 Fleischner, C. M., 23 650 WR.
 Fleming, J. J., 3 m 333 York st.
 Fleming, W. C., 21 757 M.Q.
 Fletcher, I. J., 21 s 139 Pendleton st.
 Flinn, A. D., Lect. New York City
 Flint, J. M., Prof.
 (330 Cedar st.) 320 Temple st.
 Flint, L. G., Asst.
 (100 Wall st.) 87 East Pearl st.
 Flood, F. W., 24 114 Hurlburt st.
 Flory, E. B., Mid. d 1184 T.
 Floyd-Jones, W., 21 s 126 High st.
 Flynn, F. T., 20 333 York st.
 Flynn, H. A., 23 246 D.
 Flynn, W. J., Jr., 24 468 FW.
 Folger, J. A., Jr., 22 79 C.
 Folsom, A. J., g I 132 Wall st.
 Folsom, J. L., 23 164 L.
 Foote, H. W., Prof.
 (156 S.C.L.) 209 Livingston st.
 Foote, M. S., g I 22 Linden st.
 Foote, R., Sec'y (c.) 220 Park st.
 Foote, R. P., 23 235 D.
 Forbes, A. H., Instr.
 (324 D.L.E.) 94 Prospect st.
 Forbes, J. A., Asst. (1 S.H.) East Haven
 Forbes, M., 24 454 FW.
 Ford, F. W., 21 714 M.Q.
 Ford, K. M., 23 637 WR.
 Ford, W. E., Prof. (180 K.) 43 Lincoln st.
 Forgeus, E., Asst. (HEN.) 128 Wall st.
 Forney, J. C., Jr. d 148 Clifton st.
 Forsyth, R., 21 s 111 Grove st.
 Forsyth, W. H., 23 601 WR.
 Forve, E. V., 22 28 v.
 Foster, D. D., Asst., g I 120 York st.
 Foster, J. S., Instr., g I
 (9 S.P.L.) 43 Hotchkiss st.
 Foster, L., 21 715 M.Q.
 Foster, M. C., Asst., g I (3 WR.) 120 York st.
 Foster, M. E., 23 217 F.
 Foster, R., Jr., 22 66 v.
 Foster, R. M., 23 178 L.
 Foster, R. S., 21 807 M.Q.
 Foster, T. J., Jr., 23 610 WR.
 Fowler, J. F., Jr., 23 605 WR.
 Fox, F. J., 23 s 258 Nicoll st.
 Fox, H. W., 2 l 333 York st.
 Fox, J. H., Jr., 2 l 313 Crown st.
 Fox, J. M., 2 l 84 Trumbull st.
 Fox, S. N., 24 434 FW.
 France, J. V., g I 377 Lenox st.
 Francis, R. F., 22 26 v.
 Francke, A., Jr., 24 403 B.
 Frankenberger, M., 21 s 115 Canner st.
 Franklin, F., 23 s 139 High st.
 Franklin, R. G., g I 664 WR.
 Frantz, P. E., Sr. d 1180 T.
 Frary, F. S., Asst. 1215 Chapel st.
 Fraser, E. W., 24 421 B.
 Fredericks, H. E., 23 s 96 Wall st.
 Fredrickson, T. W., mus 1150 E.
 Freedman, L. H., Jr., 22 37 v.
 Freeman, D., 1 m 235 Congress ave.
 Freeman, J., 23 254 D.
 Freeman, J. R., 20 s 124 Prospect st.
 Freeman, N. E., 24 414 B.
 Freiheit, J. M., 24 359 WH.
 French, C. H., Sr. d 1134 E.
 French, J. H., Jr., 21 706 M.Q.
 French, R. D., Asst. Prof.
 (6A, WH.) 49 Clifford st., Whitneyville
 Frencik, F. V., 23 s
 250 Brooks st., Bridgeport
 Fresneda, A. M., 23 s 148 Grove st.
 Fretheim, S., Sr. f 1224 T.
 Frey, A. H., 3 l 333 York st.
 Friedenson, M., 24
 33 Crescent st., Ansonia
 Friedman, D. H., Jr., 24 125 v-s.
 Frost, A. C., Jr., 22 4 v.
 Frost, M. H., 24 391 B.
 Fuger, T. H., 24 344 WH.
 Fuller, A. W., 24 494 H.
 Fuller, G. P., Serial Reviser, g I
 (4 LIB.) 366 Whalley ave.
 Fuller, G. W., Lect.
 170 Broadway, New York City

Fuller, R. E., 18 s 96 Wall st.
 Fullerton, G., g I 86 Elm st.
 Fullerton, H. R., g I 86 Elm st.
 Fullerton, J. G., Jr., 23 657 WR.
 Fulton, L. M., Sec'y (120 College st.) 67 Pendleton st.
 Funnell, W. L., 22 13 v.
 Furlow, F. C., Jr., 23 s 387 Temple st.
 Furnald, S. L., Asst. (4 LIB.) 362 Winthrop ave.
 Furniss, E. S., Asst. Prof. (13 S.L.H.) 64 Ralston ave., Whitneyville
 Fuse, J. M., mus R. F. D. 6, Fairfield

GABRIEL, R. H., Asst. Prof. (16B, B.) 708 Orange st.
 Gaddess, N. B., 22 s 17 Hillhouse ave.
 Gaffney, C. J., 24 20 Gill st.
 Gagel, D. E., 19 s 323 Center st., West Haven
 Gager, E. B., Prof. (42 County Court House) Derby
 Gailey, Z. J., g I 125 High st.
 Gaines, J. M., Jr., 24 493 H.
 Galbraith, J. B., 23 135 W.
 Gale, R. P., 22 20 v.
 Gallagher, G. B., 24 102 v-s.
 Gallagher, V. W., 24 323 Elm st., West Haven
 Gallaudet, E. D., 24 379 WH.
 Gallery, J. J., Jr., 24 444 FW.
 Gallipoli, A., art 86 Oak st.
 Galvin, W. J., Jr., 21 333 York st.
 Gandelman, S. F., 24 457 Washington ave.
 Gans, S., 23 s 84 Wall st.
 Gantt, W. F., 22 s 70 Trumbull st.
 Garber, J. H., 23 180 L.
 Gardella, A. B., 2 l 333 York st.
 Gardner, G., 20 707 M.Q.
 Gardner, L. T., 22 49 v.
 Gardner, T. P., 22 127 W.
 Gardner, W. K., 2 l 745 M.Q.
 Gardner, W. L., 22 s 311 York st.
 Garfield, R. H., 21 s 111 Grove st.
 Garland, A. A., 24 424 FW.
 Garland, W. G., 23 s 124 Prospect st.

Garlick, G. B., Asst. 474 State st., Bridgeport
 Garrett, J. D., 21 s 111 Grove st.
 Garrick, W. E., Sr. d 1212 T.
 Garsden, H. R., 24 128 v-s.
 Gartland, H. V., 22 819 State st.
 Gartley, R. H., 24 398 B.
 Garver, M., Instr. (1421 Yale P. O.) 242 York st.
 Garziano, L. M., 23 s 21 Baldwin st.
 Gates, G. W., Jr., 24 HART
 Gates, J. M., 23 s 82 Wall st.
 Gauss, D. B., 22 99 W.
 Gaylord, H. W., Mid. d 93 Norton st.
 Gaylord, J. L., 3 l 84 Kensington st.
 Gee, J. A., Instr., g I 80 Sherman ave.
 Geile, W. G., 19 s HW.A.
 Geiling, E. M. K., Research Fellow 282 Dwight st.
 Georg, R. H., art 314 Orange st.
 George, R. H., Asst. Prof. (F3, O.) 184 Livingston st.
 Georges, B. S., art 736 Yale P. O.
 Gerhardt, P., Jr., 21 716 M.Q.
 Gesell, A., Prof. (D.E.) 185 Edwards st.
 Gevrekian, A., mus 1150 E.
 Gibb, H., Preparator (53 O.B.L.) 881 Elm st.
 Gibbs, C. S., g I 1146 E.
 Gibbs, H. L., g I 276 Dwight st.
 Gibson, D. E., Jr., 23 s 17 Hillhouse ave.
 Gibson, D. F., 23 183 L.
 Gibson, L., 22 66 v.
 Gibson, W. M., Mid. d 1151 E.
 Gifford, J. A., Jr., 22 74 c.
 Gilbert, Mrs. H. C., Asst. (31 LIB.) 406 Oak st.
 Gilchrist, G. E., 22 136 W.
 Gildersleeve, G. H., 2 m 430 George st.
 Gilfillan, F. A., g I 124 Wall st.
 Gill, J. M., g I 242 York st.
 Gillette, E. M., Asst. (318 D.L.E.) 865 Elm st.
 Gilman, C. W., g I 44 Wall st.
 Gilmore, I. S., 23 644 WR.
 Gimbel, L. S., Jr., 24 483 H.
 Ginter, H., Asst. (4 LIB.) 19 Gilbert st., Allingtown

Giordano, C. A., 21 s	88 Wooster st.	Goss, C. M., 21	724 M.Q.
Gitlitz, G., 23	615 W.R.	Gottfried, C. M., 22	35 V.
Gitlitz, G., 24	564 George st.	Goudey, D. K., 24	356 W.H.
Gitlitz, M. M., 24	124 Dewitt st.	Goudge, D. M., <i>mus</i>	1466 Chapel st.
Gitlitz, W., 23 s	564 George st.	Gould, A., <i>Asst.</i> , g I (N.S.)	315 York st.
Glazer, E., 2 m	4 Dwight st.	Gould, E. M., 21 s, 1 m	67 Grove st.
Gleason, G. S., <i>Instr.</i>	134 W.I.N.	Goulter, O. J., <i>Sr. d</i>	1153 E.
Gledhill, F. W., 23 s	133 College st.	Gracey, F. M., <i>Instr.</i> , d	
Glenn, J. C., 23 s	84 Wall st.	(134 W.I.N.)	19 Thompson st., Milford
Glock, C. C., 23	243 D.	Grady, G. J., 24	28 Wight st.
Gobey, J. L., 24	184 V-S.	Graffin, H. E., Jr., 24	395 B.
Goddard, F. P., 24	422 B.	Graham, H. F., 22	63 V.
Goebel, H., <i>Clerk</i>		Graham, J. A., 23	158 L.
(151 D, S.C.L.)	164 Scranton st.	Graham, P. S., 23, <i>art</i>	171 L.
Goertz, P. S., <i>Grad. d</i> , g II	1209 T.	Graicerstein, P., 21	764 M.Q.
Goggin, J. M., Jr., 22	107 W.	Graner, E. E., <i>Stenog.</i>	
Goin, E. H., 24	573 Orchard st.	(124 W.I.N.)	78 Sheffield ave.
Gold, T. S., 24	190 V-S.	Granger, D. R., 24	25 HART
Goldberg, H. R., 23	170 L.	Granger, H. J., 23 s	25 Woodland st.
Goldenberg, J. J., 1 m	157 Greenwood st.	Granniss, D. S., 24	3-4 H.W.
Goldiere, A. V., g I	1214 T.	Grant, A. W., 21 s	156 Grove st.
Goldman, B., <i>Grad. l</i>		Grant, C. G., g I	22 Harrison st.
165 William st., West Haven		Graves, H. P., 24	163 V-S.
Goldman, M., 24	4 H.W.A.	Gray, J., 2 l	722 M.Q.
Goldsborough, L. S., 24	368 W.H.	Gray, W. A., 20	195 F.
Goldstein, D., <i>mus</i>	25 Davenport ave.	Gray, W. R., 1 l	118 College st.
Goldstein, D. A., <i>Tech.</i>	B.M.L.	Green, C. B., <i>Jr. f</i>	129 Mansfield st.
Goldstein, H. A., 1 l	68 Lake pl.	Green, D., <i>mus</i>	61 Admiral st.
Goldstein, H. H., 23 s	26 Ann st.	Green, H. H., g I	129 Howe st.
Goldstein, M., 1 m	135 Congress ave.	Green, J. H. C., 24	462 F.W.
Gompertz, L. M., <i>Asst. Prof.</i>		Green, T. D., 23	216 F.
1195 Chapel st.		Green, W. K., <i>Instr.</i>	
Gooch, F. A., <i>Prof. Emeritus</i>		(67 S.P.L.)	1523 Chapel st.
291 Edwards st.		Greenbaum, C. J., 3 l	333 York st.
Goodell, F. D. B., 21	759 M.Q.	Greenberg, L., 23	137 Greenwood st.
Goodell, W. A., g I	275 Dwight st.	Greenburg, L., g I	313 York st.
Goodhart, E. W., 24	458 F.W.	Greene, E. M., Jr., 24	114 V-S.
Goodwin, E. S., 1 m	251 Crown st.	Greene, K. E., 22 s	1161 T.
Goodwin, W. L., Jr., 24	474 H.	Greene, W. F., <i>Asst.</i> , g I	O.Z.L.
Goodwine, J. K., 23	174 L.	Greenfield, K. R., <i>Asst. Prof.</i>	
Gorby, W. M., 23 s	119 College st.	(1 F.)	377 Temple st.
Gordon, E., <i>mus</i>	14 Howe st.	Greenhouse, B., 4 m	28 Hallock st.
Gordon, H. L., g I	124 Wall st.	Greenleaf, L. S., Jr., 23 s	119 College st.
Gordon, J. S., 23	658 W.R.	Greenleaf, W. E., <i>Asst.</i> , g I	O.Z.L.
Gordon, M., 22	93 C.	Greenspun, D., 21 s	76 Wall st.
Gorman, E. J., 2 l	226 York st.	Greenway, J. C., <i>Director</i>	
Gorman, F. T., <i>Instr.</i> , g I		(116 High st.)	400 Prospect st.
(202 L.O.M.)	62 West Rock ave.	Greer, G. S., <i>mus</i>	576 George st.

- Greer, H. L., 24 390 B.
 Gregory, C. O., 24 342 WH.
 Gregory, H. E., Prof. 2 H.H.
 Griboff, M., 22 252 Wallace st.
 Grice, E. M., Lect., Research Fellow (O.Z.L.) 114 High st.
 Gridley, W. G., 22 71 C.
 Grieb, B. C., 21 752 M.Q.
 Gries, R. H., 23 135 Wall st.
 Griess, W. E., 21 s 370 Temple st.
 Griffin, J. D., 1 l 38 Whittlesey ave., Wallingford
 Griggs, J. B., 22 55 V.
 Grim, R. E., 24 22-23 HW.
 Grimley, F. P., 22 500 Howard ave.
 Grimm, C., Instr., g I (13 WR.) 15 Winnett st., Whitneyville
 Griscorn, C. A., 3d, 22 61 V.
 Grissinger, E. A., 23 s 82 Wall st.
 Griswold, A. S., Asst., 4 m 430 George st.
 Griswold, C., 1 m 162 York st.
 Griswold, L. M., 22 29 V.
 Griswold, R. W., 21 s 96 Wall st.
 Griswold, W. B., 23 s 111 Grove st.
 Groark, J. A., 1 m 539 Ferry st.
 Gross, E. G., g I 126 Wall st.
 Gross, R. C., 24 355 WH.
 Grove, A. G., 22 96 W.
 Grover, J. A., 22 674 WR.
 Grozin, M., 3 m 195 Ward st.
 Gruener, G., Prof. 146 L.
 Gruener, H. R., Asst. (31 LIB.) 712 Orange st.
 Gruener, J. C., 24 465 RW.
 Gruger, F. R., Jr., 23 s 139 High st.
 Grumman, S. E., Sec'y and Instr. (S.M.H.) 133 Bishop st.
 Grusky, R., 1 l 1215 T.
 Gudebrod, L. A., art Meriden
 Guernsey, N. T., Jr., 22 77 C.
 Guild, A. C., 21 755 M.Q.
 Guild, L. R., 22 183 L.
 Guilfoyle, S. L., art 79 Cottage st.
 Gulliver, A. G., 2 l 256 Bradley st.
 Gutches, S. A., g I 842 North ave., Bridgeport
 Guthery, H. F., 22 676 WR.
 Guthrie, I. W., art 83 Kimberly ave.
 Guthrie, U. E., 3 l 1200 T.
- H**AAS, J. H., 24 446 RW.
 Hackett, M., Asst. (11 H.) 38 Lynwood pl.
 Hackett, T. W., 23 249 D.
 Haddad, L. B., 22 s 22, 128 High st.
 Hadden, H. D., 21 751 M.Q.
 Hadley, A. T., President (WOOD.) 93 Whitney ave.
 Hadley, H., 1 l 93 Whitney ave.
 Hadley, L., mus 93 Whitney ave.
 Hadley, S. E., Instr. (15 K.C.L.) 472 Winthrop ave.
 Haesche, W. E., Instr. (S.M.H.) 171 Bradley st.
 Hagan, F. W., Sr. d 1102 E.
 Haggard, H. W., Instr. (N.S.) Newton road, Woodbridge
 Hague, A. B., Asst. (S.M.H.) Hackley School, Tarrytown, N. Y.
 Haigh, G. C., 24 415 B.
 Haight, G. S., 23 628 WR.
 Hail, W. J., Prof., g I 1148 E.
 Haines, T. F. D., 24 374 WH.
 Halabi, F. H., 22 s 22, 128 High st.
 Haldeman, W. N., 22 39 V.
 Hale, E. D., 22 141 W.
 Hale, E. V., Jr., 21 701 M.Q.
 Hale, Capt. W. H., Asst. Prof. (A.H.) 367 Elm st.
 Hall, A. E., mus 39 Fair st.
 Hall, A. F., Jr., 23 s 84 Wall st.
 Hall, E. H., Cat. (4 LIB.) Wallingford
 Hall, E. J., Instr., g I (202 L.O.M.) 116 V-S.
 Hall, F. P., 24 369 Main st., West Haven
 Hall, G. R., 21 s 96 Wall st.
 Hall, G. R., 23 649 WR.
 Hall, J. H., Jr., s 148 Grove st.
 Hall, J. L., 24 472 H.
 Hall, J. N., 24 499 H.
 Hall, L. G., 21 773 M.Q.
 Hall, S. R., Jr., 24 165 V-S.
 Hall, W. B., Instr., g I (312 D.L.E.) 406 Shelton ave.
 Hall, W. E., 22 11 V.
 Hallworth, M., Asst. (330 Cedar st.) 1st ave., West Haven
 Ham, R. G., Instr., g I (3 L.) 80 Sherman ave.
 Hamann, E. H., 21 810 M.Q.

- Hamil, R. E., 24 345 WH.
 Hamill, H. M., 23 214 F.
 Hamill, S. M., Jr., 21 804 M.Q.
 Hamilton, A. B., 22 s 152 Grove st.
 Hamilton, H. E., d 80 Sherman ave.
 Hamilton, J. G., 24 21-22 HART
 Hamilton, L., art Meriden
 Hand, A., 24 341 WH.
Hand, C. W. H., Cashier (o.) 246 Park st.
 Hanf, N. E., 21 766 M.Q.
 Hanlon, J. A., art 31 Norton st.
 Hannan, R. D. A., 21 s 534 1st ave., West Haven
 Hannon, J. G., 21 s 137 Mansfield st.
 Hanover, C. D., Jr., 22 s HW.A.
Hansen, M., Asst.
 (s.l.h.) Ridge road, North Haven
Hanson, Mrs. N. C., Asst.
 (117 Wall st.) 43 Perkins st.
 Hanway, J. H., 22 36 v.
 Hardcastle, H. S., *Mid. d* 1183 T.
 Hare, C. L., 21 809 M.Q.
 Hare, J. E., g III 124 Wall st.
 Harger, R. N., g I 42 Jones st., West Haven
Haring, C. H., Associate Prof.
 (6 L.) 339 Willow st.
 Haring, H. A., Jr., 22 1 v.
 Harithas, N., 21 728 M.Q.
 Harkness, W. H., 22 22 v.
Harley, G. W., Techn., 2 m 156 B.M.L.
Harmon, A. M., Prof.
 (22 PH.) 244 Lawrence st.
 Harmon, K. A., 24 17-18 HART
 Harms, A. J., *Sr. d* 1162 T.
 Harper, W. E., 1 l 295 Yale P. O.
 Harpole, R. O., *Sr. d* 248 York st.
 Harrell, D., 23 663 WR.
 Harriman, F., 24 117 v-s.
 Harris, B. B., 23 659 WR.
 Harris, B. R., 3 m 185 Franklin st.
 Harris, D. B., 22 109 w.
 Harris, G. M., 22 54 v.
 Harris, H. V., 23 796 Howard ave.
 Harris, J. S., 3 m 185 Franklin st.
 Harris, L. H., 23 179 L.
 Harris, L. S., 22 19 v.
 Harris, R. C., 1 l 89 Bristol st.
 Harris, T., *mus* 787 Whitney ave.
 Harris, W. P., Jr., 21 s 1 Hillhouse ave.
 Harris, W. S., Jr., 24 412 B.
Harrison, Mrs. F. K., Asst.
 (363 B.M.L.) 527 Savin ave., West Haven
Harrison, Capt. R., Asst. Prof.
 (A.H.) 280 Whalley ave.
 Harrison, R. E., 23 142 Huntington st.
Harrison, R. G., Prof. and Director
 (329 O.Z.L.) 142 Huntington st.
 Hart, F. C., 22 87 c.
Hart, F. W., Engineer, S. S. S.
 (WIN.) 355 Savin ave., West Haven
 Hart, S., 23 s 17 Hillhouse ave.
 Hart, V. C., 24 187 v-s.
 Hart, W., 2 l HW.
Hartley, B. M., Preparator
 (31 O.Z.L.) 284 2d ave., West Haven
 Hartman, H. W., Jr., 23 178 L.
 Hartman, W. L., Jr., 2 l 37 Trumbull st.
 Hartnett, T. R., 23 664 WR.
Hartpence, R., Asst. (H.) 294 Yale ave.
 Hartshorn, D. N., 23 s 370 Temple st.
Hartsborn, W. E., Prof. 67 Trumbull st.
 Hartshorne, R., 23 143 L.
 Hartzmark, M., 24 18-19 HW.A.
 Harvey, D. F., 24 483 H.
Harvey, S. C., Asst. Prof. N.H.H.
Harwood, F. C., Instr. (12 L.) 492 H.
 Haskell, M. H., 24 110 v-s.
 Haskell, R. M., 23 s 82 Wall st.
Haskell, S. T., Supt. Bureau Purchases and Stores (U.S.B.) East Haven
 Haskin, F., *mus* 35 Governors ave., Milford
 Haskins, C. H., 2 m 351 Orange st.
Hastings, C. S., Prof. Emeritus
 (13 S.P.L.) 248 Bradley st.
 Hatch, D. S., d 52 Howe st.
Hatch, G. B., Instr.
 (1106 E.) Greens Farms
 Hatch, G. P., 23 272 1st ave., West Haven
 Hauff, J. A., Jr., 23 651 WR.
Haugb, H. A., Jr., Asst., g I
 (D.L.E.) 84 Wall st.
Haüslein, J. D., Asst., g III
 (13 S.L.H.) 1171 T.
 Havemeyer, J. F., 24 113 v-s.
Havemeyer, L., Registrar and Instr.
 (1 S.H.) 90 Wall st.

- Hawes, O. S., Jr., 22 98 w. Henze, H. R., g I 1267 Forest st.
 Hawes, P. T., 22 98 w. Herberts, H. L., Jr. d 1213 T.
 Hawkins, D. W. L., 24 475 H. Herman, E. S., Jr., 24 485 H.
 Hawkins, N. S., 21 s 17 Hillhouse ave.
 45 Broad st., Milford 82 Wall st.
 Hawks, W. B., 23 222 F. Herrick, A. C., mus Gaylordsville
 Hawley, R. C., Prof. Herrmann, A. M., 1 l 194 Lawrence st.
 (MAR.) 493 Edgewood ave. Herrmann, J. B., 4 m 194 Lawrence st.
 Hayden, P. H., 21 s 17 Hillhouse ave. Herrmann, K., 24 191 v-s.
 Hayes, C. V., Techn. 189 Rosette st. Herron, J. W., 23 640 wr.
 Haynes, W. S., 22 32 v. Hersey, H., 23 s 1 Hillhouse ave.
 Hays, W. H., Jr., 24 405 B. Hersey, H. W., Supt. N. H. H. N.H.H.
 Haysler, S. H., 23 s 370 Temple st. Hester, C. B., 23 655 wr.
 Hazam, J. G., 22 181 L. Hester, W. V., Jr., 24 108 v-s.
 Hazen, C., g I 68 Lake pl. Hettinger, F. K., 22 127 w.
 Hazen, E. H., g III Middletown Hetzler, E. P., 20 s 124 Prospect st.
 Head, D. P., 21 s 70 Trumbull st. Hetzler, E. T., 23 645 wr.
 Healey, G. G., 24 151 v-s. Heupgen, J. G. G., g III 124 Wall st.
 Hearne, L. F., 24 175 v-s. Hibbert, H., Asst. Prof.
 Heath, A. M., Asst. (s.c.L.) 81 Mather st., Whitneyville
 (N.H.H.) 52 Brownell st. Hickey, D. S., 23 10 v.
 Hebard, F. V., 22 37 v. Hickey, J. W., 21 15 Walnut st.
 Hedstrom, E. L., 21 748 M.Q. Hickson, J. H., Asst.
 Heffelfinger, G. W. P., 24 398 B. (116 High st.) 85 Lake pl.
 Heffelfinger, T. P., 22 811 M.Q. 23-24 HART
 Hegel, R. E., 21 s B.M.H. 370 Temple st.
 Helmuth, J. L., 24 461 fw. Higgins, B. E., 22 21 v.
 Hemberger, A., Artist Higgins, F., 23 203 F.
 (B.M.L.) 10 Prospect pl. Higgins, T. F., Mid. d 1199 T.
 Hemberger, Mrs. E., Artist Hilditch, A. A., 24 178 v-s.
 (B.M.L.) 10 Prospect pl. Hill, A. F., Instr., g I 250 O.B.L.
 Hemingway, J. S., Jr., 1 l 325 Temple st. Hill, A. J., Asst. Prof.
 Hemingway, S. B., Asst. Prof. (160 s.c.L.) 19 Hubinger st.
 (6A, wh.) 24 Lincoln st. Hill, C. B., Jr., 24 481 H.
 Heminway, B. L., 21 709 M.Q. Hill, C. G., Supt. (u.s.B.) 313 York st.
 Henderson, R. P., 21 s 96 Wall st. Hill, E. T., 23 258 D.
 Henderson, W. B. D., Instr. Hill, G. R., 21 s 148 Grove st.
 (33 N.S.H.) 755 Orange st. Hill, H. S., Asst., g I
 Henderson, Y., Prof. (s.c.L.) 12 Prospect pl.
 (N.S.) 440 Prospect st. Hill, M. D., mus 313 York st.
 Hendrick, E. A., 22 s 70 Trumbull st. Hill, R. T., Asst. Prof., g III
 Hendrick, F. T., g III 10 Edgewood ave. (21 LAM.) 1187 T.
 Hendrick, I., 21 766 M.Q. Hill, W. N., Jr. f 129 Mansfield st.
 Hendrick, J. P., 23 248 D. Hilles, C. D., Jr., 24 442 fw.
 Hendrick, T. K., Instr. Hilles, F. W., 22 677 wr.
 (127 A, win.) 431 Orange st. Hillman, I., 2 l 33 Norton st.
 Hendrickson, G. L., Prof. Hilton, E., Techn.
 (2 PH.) 461 Humphrey st. (N.S.) 39 Springside ave., Westville
 Hennig, W. R., 24 67 Hobart st. Hilton, R., 21 s 17 Hillhouse ave.

- Hinchey, F. N., 21 s 104½ High st.
Hincbey, M. V., Asst. Cat.
 (4 LIB.) 82 Trumbull st.
 Hinck, C. H., 24 427 fw.
 Hinenburg, M., 23 s 729 Washington ave.
 Hines, R. J., 21 s 17 Hillhouse ave.
 Hinkle, J. G., 21 804 M.Q.
 Hipple, R. B., 23 250 D.
Hirata, I., Instr. 356 Elm st.
 Hird, W. H., 24 37 High st.
 Hirsch, J. A., 20 73 c.
 Hirsche, H., 21 s 370 Temple st.
Hiscock, I. V., Instr., g I
 (N.S.) 202 Prospect st.
 Hislop, H. K., 23 s 61 Carmel st.
 Hitchcock, H. G., 2 l 333 York st.
Hjort, A. M., Instr., 4 m
 (M.S.) 71 College st.
 Hoadley, C. L., 21 s 360 Temple st.
 Hoag, R. G., 24 23-24 HART
 Hobbs, W. B., 22 s 152 Grove st.
 Hock, N. F., 24 358 WH.
 Hodge, C. E., 23 171 L.
 Hodgman, C. L., 24 431 FW.
 Hodgson, G. H., Jr., 24 477 H.
 Hoenny, A. M., 2 l 80 Wall st.
 Hoffman, W. H., 21 s 111 Grove st.
 Hofman, F., Jr., 24 40 Lyon st.
Hogan, M., Asst. (S.M.L.) 263 Dwight st.
 Hoggson, N., 24 167 v-s.
 Holbrook, R. D., 23 s 370 Temple st.
 Holbrook, S. M., g I 394 Edgewood ave.
 Holden, D. H., 24 112 v-s.
 Holden, E. R., Sr. d 1129 E.
 Holden, H., Jr., 22 670 WR.
 Holden, R., 21 756 M.Q.
 Holden, W. W., 22 672 WR.
Holland, D. F., Asst., g I
 (N.S.) 220 Park st.
 Holland, J. E., Jr., 23 654 WR.
 Holland, J. G., 23 607 WR.
Holmes, C., Asst.
 (261 M.E.L.) 74 Atwater st.
 Holt, E. L., 2 l 333 York st.
Homan, M., Nurse
 (N. H. Dispensary) 328 Temple st.
 Homentowski, V., 23 678 WR.
 Homrich, L. A., 19 s, 1 m 51 Trumbull st.
Hook, J. T., Asst. Prof.
 (254 C, M.E.L.) 424 Central ave., Westville
 Hooker, R. M., 21 s 360 Temple st.
 Hoover, A. R., 21 s 1 Hillhouse ave.
 Hope, H. E., 21 221 Wooster st.
 Hopkins, D. S., 21 s 96 Wall st.
Hopkins, E. W., Prof.
 Hopkins, H., 21 805 M.Q.
Hopkins, H. H., Asst., g I
 156 Maple st.
 Hopkins, S. C., Jr., 23 143 L.
 Hopkins, V. L., *mus*
 28 Mansion st., Morris Cove
 Horchner, R. A., 22 107 W.
 Hord, S. Y., 21 758 M.Q.
 Horigan, R. V., 23 s 232 F.
 Horn, F. M., 22 4 V.
 Horn, M., 21, 1 m 180 Putnam st.
 Horn, S. C. J., 23 660 WR.
 Horn, W. J., g I 170 Dwight st.
 Horne, G. W., 21 s 17 Hillhouse ave.
 Horowitz, S., 24 22 Vernon st.
 Horrocks, W. B., 24 6 B.M.H.
 Horton, H. H., 24 189 v-s.
 Horton, I., 3d, 21 765 M.Q.
 Horton, L. V., s 119 College st.
 Hosmer, S. B., 21 760 M.Q.
Hotchkiss, A. S., Priv. Sec'y
 (WOOD.) 92 York sq.
Hotchkiss, C. B., Asst.
 (WOOD.) 83 Foster st.
Hotchkiss, C. E., Instr. (S.M.H.) Glenbrook
 Hotchkiss, E., *mus* 565 Orange st.
 Hotchkiss, M., g I 114 High st.
 Houck, J. W., Sr. d 1164 T.
 Hough, J. D., 22 s 78 Wall st.
 Houghton, W. E., Jr., 24 484 H.
 Houk, G. W., 23 s 1 Hillhouse ave.
 Houk, J. T., 23 s 1 Hillhouse ave.
 Houston, B., g I 124 Wall st.
 Houston, J. H., 22 s
 96 Forbes pl., East Haven
Hovey, O. E., Lect.
 431 Riverside Drive, New York City
 Howard, A. M., 24 468 fw.
 Howard, J. L., 24 428 Poplar st.
 Howard, L. B., 2 l 333 York st.
 Howd, S. G., Jr., 24 260 fw.

- Howe, H. K., 24 500 H.
 Howe, K., 21 s 124 Prospect st.
 Howe, M. G., g I 125 High st.
 Howe, R. W., 21 806 M.Q.
 Howell, K. J., 21 s 70 Trumbull st.
 Hoyle, Major R. E. D. (A.H.) 79 Cottage st.
 Hoyt, A. P. S., 20 137 w.
 Hoyt, G. W., 23 s 133 College st.
 Hoyt, S. R., 22 137 w.
 Hoyt, W. C., 22 14 v.
 Hsiang, C. C., 2 l 333 York st.
 Hubbard, E. K., 2d, 22 13 v.
 Hubbard, I. E., *mus* Berlin
 Hubbard, O. L., 24 459 FW.
 Hubbell, C. C., Jr., 24 33, 128 High st.
 Hubbell, F. J., g III 150 Grove st.
 Hubbell, H. M., *Asst. Prof.* (5 L.) 268 Willow st.
 Hubbell, J. L., Jr., 23 s 150 Grove st.
 Hubbell, R. C., 23 659 WR.
 Huber, T. C., 23 630 WR.
 Hudson, B. W., 24 463 FW.
 Hudson, R. D., 21 s 124 Prospect st.
 Hull, D. G., *mus* 112 Broad st., Middletown
 Hull, E. H., 24 342 WH.
 Hulman, A., Jr., 24 170 v-s.
 Hume, A. P., 21 s 21 Wall st.
 Hume, C., 22 78 c.
 Hume, E. H., *Prof.* (5 WH.) 36 Lincoln st.
 Humiston, R. J., *Asst.* (K.C.L.) Mt. Carmel
 Humphrey, H., Jr., 22 102 w.
 Humphreys, M., *Asst.* (4 LIB.) 59 Wall st.
 Hun, S. H., 22 291 York st.
 Hunn, E. B., g I 73 Whitney ave.
 Hunt, F. P., 24 110 v-s.
 Hunt, P. B., *mus* 1132 E.
 Hunter, W. B., 24 17 Hillhouse ave.
 Huntington, D. B., *Proof reader* (117 Wall st.) 83 Pearl st.
 Huntington, E., *Research Associate* (1 H.H.) 186 Lawrence st.
 Huntington, S. G., 24 455 FW.
 Huntington, W. M., 24 397 B.
 Hurd, A. M., 21 774 M.Q.
 Hurd, L. L., 23 s 124 Prospect st.
 Hurley, T. E., 21 811 M.Q.
 Hurwitz, C. E., 3 m 53 Sylvan ave.
 Hussey, J. E., 21 s 126 High st.
 Husted, D. R., 23 223 F.
 Husted, E. S., 23 223 F.
 Hutchcraft, A. S., 24 196 Norton st.
 Hutcheson, A. T., 24 348 WH.
 Hutchings, C. W., *Mid. d* 1146 E.
 Hutchins, R. M., 21 823 M.Q.
 Hutchinson, P. M., 23 s 1 Hillhouse ave.
 Hutson, W. K., Jr., 22 s 70 Trumbull st.
 Hwang, M. Y., *Sr. f* 168 Mansfield st.
 Hyde, B. P., 23 s 366 Union ave., West Haven
 Hyde, J. H. D., 22 s 268 Olivia st., Derby
 Hyde, K. M., 23 679 WR.
 Hyde, L. K., Jr., 23 248 D.
 Hyde, N. W., 22 34 v.
 Hylander, C. J., g I O.B.L.
 ICKLER, L. H., Jr., 21 824 M.Q.
 Iddings, H. C., 23 155 L.
 Illes, A. J., 24 434 FW.
 Illsley, R. M., 20 192 F.
 Inamoto, S., g I 8 St. Ronan terrace
 Ingersoll, H., 24 22-23 HW.
 Ingersoll, J. W. D., *Asst. Prof.* 295 Crown st.
 Ingersoll, R. M., 21 s 360 Temple st.
 Ingham, F. W., 24 456 FW.
 Inglis, L. B., 23 s 150 Grove st.
 Ingram, J. E., 24 115 v-s.
 Insull, S., Jr., 21 s 111 Grove st.
 Into, A. N., 23 s 1 Hillhouse ave.
 Irvin, L. B., 24 423 FW.
 Isbell, P. E., *art* 399 Whalley ave.
 Isbell, R. S., 24 148 v-s.
 Isham, R. N., 24 501 H.
 Ives, K. A., 24 169 v-s.
 JACKMAN, G. W., 22 s 82 Wall st.
 Jackowitz, J. L., 2 m 347 Orange st.
 Jackson, A. S., 21 s 133 College st.
 Jackson, H. C., 22 671 WR.
 Jackson, R. D., 23 616 WR.
 Jackson, W. A., 23 147 L.

- Jacob, G. J., 1 / 201 W. Park ave.
 Jaffarian, J. P., 2 m 31 Read st.
 Jaffray, N. R., 24 406 B.
 Jahnige, R. C., 23 s 126 Hobart st.
 James, D. D., 23 269 D.
 James, F. B., Jr., 21 s 96 Wall st.
 James, G. R., Asst. 686 State st.
 James, T. W., 24 19-20 HART
 Jamwal, H. S., s 59 Prospect st.
 January, D. A., 24 439 FW.
 Jeffery, M. P., 1 m 395 Howard ave.
 Jelliffe, W. L., 23 648 WR.
 Jenckes, M., 21 704 M.Q.
 Jenkins, R., g I 1215 T.
 Jennings, G. S., 24 457 FW.
 Jennings, S. S., Jr., 22 24 v.
 Jensen, C. J., mus Whitneyville
 Jepson, H. B., Prof. and Univ. (MEM.) 42 College st.
 Jessup, C. P., 23 s 76 Wall st.
 Jester, R. K., 24 432 FW.
 Jewell, W. F., Photographer (B.M.L.) 301 Orchard st.
 Jewett, K. H., 23 s 119 College st.
 Johnson, A., Prof. 169 Bishop st.
 Johnson, A. A., 24 437 FW.
 Johnson, A. H., mus 98 Dickerman st.
 Johnson, A. L., Jr., 24 378 WH.
 Johnson, A. S., 22 15 v.
 Johnson, C. B., 24 23 Trumbull st.
 Johnson, C. C., Asst., Jr. d (G.) 1205 T.
 Johnson, C. H., g I 819 M.Q.
 Johnson, D. C., 21 819 M.Q.
 Johnson, E. M., Asst. 198 Park st.
 Johnson, F. B., Gen'l M'g'r and Bursar (U.S.B. and 13 H.) 234 Everit st.
 Johnson, G., 24 101 Greenwood st.
 Johnson, G. A., Asst. (6 LIB.) 1916 State st.
 Johnson, H. F., art 101 Greenwood st.
 Johnson, H. S., Asst., g I 23 Trumbull st.
 Johnson, H. W., Sr. d, g II 1133 E.
 Johnson, J. E., g III 157 Maple st.
 Johnson, M., mus 756 Park st., Hartford
 Johnson, R. K., Instr. (N.S.) 123 Canner st.
 Johnson, R. M. T., 20 s 310 York st.
 Johnson, T. B., Prof. (151 D, S.C.L.) 204 Maple st.
 Johnson, T. L., art 1115 E.
 Johnston, E. W., 23 s 119 College st.
 Johnston, J., Prof. (27 K.C.L.) 245 East Rock road
 Johnston, J. A., 2 m 490 Howard ave.
 Joline, B. E., 23 244 D.
 Jones, E. A., 23 268 D.
 Jones, E. P., Jr., 23 24 v.
 Jones, F. S., Dean (c.) 671 Prospect st.
 Jones, J. P., 22 169 L.
 Jones, P. C., Mid. d 21 Cook ave., Meriden
 Jones, R. B., g III 780 M.Q.
 Jones, T. E., 23 s 133 College st.
 Jones, W., 22 668 WR.
 Jordan, G. R., Grad. d, g II 1192 T.
 Jordan, R. E., 23 649 WR.
 Joseloff, H. M., 23 614 WR.
 Joseph, M. P., 2d, 24 175 v-s.
 Jourdan, F. E., Sec'y (28 Hillhouse ave.) 314 Crown st.
 Joyce, T. H., 21 s 133 College st.
 Judd, S. E., 24 484 H.
 Judson, O. A., Cat. (4 LIB.) Skiff st., North Haven
 Judy, F. M., 23 43 v.
 KAAZ, J., d 12 Broad st.
 Kaimer, F. R., 24 51 Judson ave.
 Kamerman, B., 21 s 84 Wall st.
 Kamide, R. M., Jr. d 1175 T.
 Kane, A. S., 22 132 W.
 Kane, H. W., 23 742 M.Q.
 Kane, K., Asst. (22 LIB.) 261 Brown st., West Haven
 Kaplan, R., art 24 Clover pl.
 Kapsinow, R., 3 m 152 Minor st.
 Karajian, N. M., Jr. d 1206 T.
 Karelitz, S., Jr., 2 m 67 Grove st.
 Kashiwagi, H., Sr. d 1139 E.
 Kaufman, A. K., 23 612 WR.
 Kaufman, H. H., 1 / 333 Winthrop ave.
 Kaufman, J. M., 23 153 L.
 Kaufman, L. F., 21 s 135 Wall st.
 Kaufman, R., 21 s 150 Grove st.
 Kayden, E. M., Instr. 144 Mansfield st.
 Keach, C. B., 1 / 333 York st.
 Keach, D. T., Instr., g I (K.C.L.) 50 Parker pl., Morris Cove

- Keane, E. J., 3 l 178 Blatchley ave.
 Kearns, H. T., *Sr. d* 1186 Park ave., Bridgeport
Keating, H. F., Asst. 619 Howard ave.
 Keck, T., 21 761 M.Q.
 Keefe, E. J., 1 l 289 Sherman ave.
 Keefe, J. C., 23 100 w.
 Keefe, R. S., 1 m 153 York st.
 Keeley, L. E., 22 17 v.
Keenaban, N. C., Priv. Sec'y
 (wood.) 514 Dixwell ave.
 Keeney, J. S., 21 814 M.Q.
 Keil, E. M., *mus* 563 Orange st.
 Keil, H., 23 s 152 Grove st.
 Keith, A., 24 392 B.
Keller, A. G., Prof.
 (22 B, S.L.H.) 55 Huntington st.
 Keller, C. R., 22 96 w.
 Keller, D., 23 613 W.R.
 Keller, M., *mus* Ansonia
 Keller, R. M., *art* 672 Elm st.
 Kelley, D. J., 23 HART
 Kelley, E. B., 21 s 133 College st.
 Kelley, F. B., 21 s 17 Hillhouse ave.
 Kelley, P., 24 481 H.
 Kelley, R. P., 20 707 M.Q.
 Kelliher, F. J., Jr., 22 112 w.
Kellner, C., Artist
 (330 Cedar st.) 327 Norton st.
 Kellogg, G. C., 23 s 82 Wall st.
 Kellogg, H. D., Jr., 23 s 8 Prospect pl.
 Kellogg, J. P., 21 s 133 College st.
 Kellogg, S. W., 24 152 v-s.
 Kelly, E. L., 3 l 119 Wall st.
 Kelly, H. S., *art* Hamden
 Kelly, J. J., 21 773 M.Q.
Kelly, M. F., Asst.
 (wood.) 276 Dwight st.
 Kelly, N. D., 22 720 M.Q.
 Kelly, W. B. J., 24 395 B.
 Kelly, W. S., Jr., 20 809 M.Q.
Kelsey, E. B., Asst., g I
 (s.c.L.) 64 Lake pl.
 Kempton, H. M., 19 s 133 College st.
Kendall, W. S., Dean and Prof.
 (1 A.S.) 58 Trumbull st.
 Kendrick, G. S., 21 s 370 Temple st.
 Kenefick, T. G., 22 64 v.
 Kennedy, G. C., 24 145 v-s.
 Kennedy, G. W., 24 376 WH.
 Kennedy, J. D., 18 s 228 Bishop st.
Kent, C. F., Prof. (145 L.) Mt. Carmel
 Kent, J. M., 3 l 736 Dixwell ave.
Keogh, A., Univ. Lib'n and Lect.
 (21 LIB.) 49 Huntington st.
 Kernan, J. M., 22 100½ High st.
 Kernan, W. C., 23 256 D.
 Kernick, B. M., *mus* 9 Cherry st., Ansonia
 Kerr, J. C., 24 111 Grove st.
 Kerry, E. F., 24 179 v-s.
 Kibbe, L. H., 23 s 165 Plymouth st.
 Kichel, S. R., 21 731 M.Q.
 Kiernan, W., 24 385 B.
 Kilbourn, A., 2 m 820 M.Q.
 Kimball, R. A., 22 32 v.
 Kimberly, H. H., Jr., 23 240 D.
 Kimberly, N. C., g I 576 George st.
 King, A. C., 21 803 M.Q.
 King, E. M., 21 751 M.Q.
 King, G. L., 23 209 F.
 King, J. H., 23 627 w.
King, L. J., Asst.
 (325 o.z.L.) 138 Center st., West Haven
 King, L. R., *Sr. d* 1175 T.
King, M., Asst. G.
 Kingsbury, F. M., 20 186 F.
 Kingsbury, J. W., 22 74 C.
 Kingsley, D. P., Jr., 21 723 M.Q.
 Kinney, T. W., 22 76 C.
 Kinsey, G. S., 24 435 FW.
 Kioka, E., *mus* 233 Edwards st.
Kipbutb, R. J. H., Asst.
 (G.) 21 West Rock ave.
 Kirby, J. B., Jr., 21 s 96 Wall st.
Kirby, R. S., Asst. Prof.
 (134 WIN.) 272 West Elm st.
 Kirkham, J. W., 21 805 M.Q.
 Kiskadden, J. M., 22 701 M.Q.
Kitchel, C. L., Sec'y Bureau of App'ts,
Emeritus 253 Lawrence st.
 Kitchel, S. W., 24 343 WH.
 Kitt, H. G., 24 8 B.M.L.
 Klebanoff, H., 22 87 Gilbert ave.
 Klebanoff, M., 24 87 Gilbert ave.
Klein, E., Asst., g I (55 A, S.P.L.) 1215 T.
Kleiner, S. B., Asst. 1136 Chapel st.
 Klemmedson, A. E., s 352 Temple st.

- Klimpl, H. J., *mus* 171 Spring st.
 Kline, H., 24 198 Chatham st.
Kline, W. D., Asst., g I (S.L.P.C.) 162 York st.
 Kling, J. D., 21 s 124 Prospect st.
 Knabe, W. J., 21 719 M.Q.
 Knapp, C. A., 22 s 172 Livingston st.
 Knapp, J. W., 1 m 1219 T.
 Knapp, R. T., 23 s 133 College st.
 Knapp, W. T., *Jr. d* 1156 T.
Knecht, J. E., Bookkeeper (WOOD.) 259 Noble st.
 Kneeland, Y., Jr., 22 71 C.
 Kneen, H. P., 23 s 124 Prospect st.
Knigh, S., Asst. Prof. (S.M.H.) 258 Bradley st.
 Knight, W. A., *Mid. d* 109 York st.
Knopf, A., Associate Prof. (186 K.) 105 East Rock road
Knowlton, A. E., Instr., g I (320 D.L.E.) 113 Atwater st.
 Knowlton, D. C., Jr., 24 502 H.
Knox, A. D., Asst., g I (304 D.L.E.) 126 Wall st.
 Koenig, C. J., 23 231 F.
 Koenig, R. P., 22 16 V.
Kobman, G. T., Asst., g I 156 Maple st.
 Kolb, J. H., Jr., 23 152 L.
 Koletsky, J., 23 s 843 Howard ave.
 Konick, A. M., *mus* 277 Dixwell ave.
 Konick, H. E., 21 277 Dixwell ave.
 Koos, E. E., 24 7-8 HW.
 Kopf, H. P., 24 175 V-S.
 Kountze, D., 24 121 V-S.
 Kountze, L. C., 24 331 WH.
 Kountze, P. D., 23 644 WR.
Kovarik, A. F., Asst. Prof. (34 S.P.L.) 86 Wall st.
 Krah, A. M., *d* 98 Lilac st.
 Krailing, W. J., 21 s 494 Thompson ave., East Haven
Kreider, D. A., Associate Prof. (46 S.P.L.) 298 Lawrence st.
 Kreimendahl, F. Y., 22 s 148 Gilbert ave.
 Kremer, J., 24 172 V-S.
 Krikorian, Y. H., *g III* 35 Howe st.
 Krom, A., 24 436 FW.
Krooner, A. L., Asst. (S.H.) 142 Henry st.
 Krušć, C. F., *g I* 125 High st.
- Kugel, M. E., 23 s 77 Orchard st.
 Kugeman, A. M., 24 120 V-S.
 Kuhn, M. A., *mus* 855 Congress ave.
 Kullman, C., 24 141 Foster st.
 Kuntz, E. J., 23 649 WR.
 Kusnitz, F., *mus* 83 Randall ave., Bridgeport
 Kwai, A. Y., 24 388 B.
- L**ABAREE, L. W., *g I* 27 Park circle, Milford
 Labensky, A., 4 m 137 Mansfield st.
Ladd, G. T., Prof. Emeritus 204 Prospect st.
 Laden, J. J., 1 l 242 Ward st.
Laird, Mrs. C. C., Asst. (4 LIB.) 90 York sq.
Laird, H. C. C., Cat., g I (4 LIB.) 90 York sq.
 Lally, J. E., 23 s 136 Sheffield ave.
 Lally, W. J., *g I* 12 Prospect pl.
 Lamacchia, G. D., *mus* 272 Federal st., Bridgeport
Lambert, R., Clerk (S.P.L.) 163 Bradley st.
Lambert, R. A., Asst. Prof. (B.M.L.) N.H.H.
 Landauer, R., 23 633 WR.
 Lander, H. P., 24 234 Whalley ave.
 Landis, H. E., Jr., 24 171 V-S.
 Landmesser, F. R., 21 s 148 Grove st.
 Landon, R. W., 21 718 M.Q.
 Lane, C. C., 23 s 111 Grove st.
Lane, J. E., Prof. (59 College st.) 300 Lawrence st.
 Lane, J. W., Jr., 20 187 F.
 Lane, N. T., Jr., 22 47 V.
 Lane, R. P., 23 s 124 Prospect st.
 Lang, A. P., 23 161 L.
Lang, H. R., Prof. (176 L.) 60 Trumbull st.
 Lang, J. H., Jr., 24 132 V-S.
 Lang, W. B., *g I* 9 H.H.
 Langbein, O. T., Jr., 21 762 M.Q.
 Lange, I. L., *Jr. d* 1166 T.
 Langner, H. P., 3 m 1 Prospect st., Milford
 Langner, S., 24 1 Prospect st., Milford
Langzettell, G. H., Instr. (1 A.S.) 725 Whitney ave.

- Lanham, S. M. S., 24 352 wh.
 Lanning, J. H., *Mid. d* 1199 T.
 Lanphier, E. O., 23 s 84 Wall st.
 Lanz, G. M., *mus* 231 Clinton ave.
 Lapham, B. J., 24 490 H.
 Lapp, S. L., 3 l 631 Elm st.
 Larner, R. J., 22 60 v.
LaRoque, H. B., Asst.
 (D.L.E.) 68 Whalley ave.
 Lashar, C. H., 24 379 wh.
 Lasley, R. A., 21 s 70 Trumbull st.
Lattin, C. L., Asst., g I
 (D.L.E.) 70 Trumbull st.
 Laub, G. A., 24 103 v-s.
Laurens, H., Asst. Prof.
 (326 o.z.l.) 168 Prospect st.
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 (132 A, win.) 1345 Chapel st.
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 Lawson, G. M., 1 m 426 George st.
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 Leach, R. M. S., 21 814 m.q.
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 Ledyard, H., Jr., 24 126 v-s.
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 Lee, J. N., g I 70 Trumbull st.
 Lee, S.-C., *Sr. f* 165 Mansfield st.
 Leeds, N., Jr., 23 s 119 College st.
 Leete, W. C., 24 467 fw.
 Leete, W. R., *Grad. d*
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 Leggett, D. C., 24 168 v-s.
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 Leighty, C. C., 24 446 fw.
- Leisner, A., 1 l 333 York st.
 Leisy, H. F., 22 s 96 Wall st.
 Lenihan, J. M., 24 385 B.
 Lent, H. B., 23 231 F.
 Lerner, M., 23 173 L.
 Leserman, L. A., 24 380 wh.
 Leslie, J., 24 461 fw.
 Leslie, J. R., 21 s 156 Grove st.
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 Levy, H., 23 215 F.
 Levy, N., 23 s 32 Gold st.
 Levy, S. D., 1 m 70 White st.
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Lewis, C. M., Prof.
 (144 L.) 425 St. Ronan st.
 Lewis, D. C., 24
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 Lewis, E. B., Jr., 21 s 96 Wall st.
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 Lewis, J. B., Jr., 24 108 v-s.
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 Lewis, R. J., 21 724 m.q.
 Lewis, W., 23 166 L.
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 Lindwall, H. G., 23 s 302 Temple st.
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 Lippitt, J. B., 24 487 H.
 Lipscomb, T. E., 2 l 333 York st.
 Litt, W. D., 21 710 m.q.
 Little, C. J., 24 478 H.
 Little, D. C., 24 141 v-s.

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 Loeb, M. D., g III 813 Whitney ave.
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 Lonergan, E. J., 1 l 371 Crown st.
 Longley, W. R., *Prof.*
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 Longwell, C. R., *Asst. Prof.*
 (10 H.H.) 746 M.Q.
 169 Livingston st.
 Loomis, F., g I 161 v-s.
 Loomis, R. A., 24 188 v-s.
 Loomis, S. W., 24 8 Edwards st.
 Lopatin, E., 24 82 Trumbull st.
 Lord, M. A., g I 69 v.
 Lord, W. G., 22
 Lorenzen, E. G., *Prof.*
 (HEN.) 64 Cold Spring st.
 Loro, P. J., *mus* 792 Grand ave.
 Loth, M., 3 m 415 George st.
 Lovell, N. T., 23 269 D.
 Lovell, R. N., d 33 Howe st.
 Lovett, J. E., *Artist* (O.Z.L.) 132 Wall st.
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 Lowenthal, A., 2 l 135 Wall st.
 Lowenthal, M., 24 150 v-s.
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 Luke, V. S., 22 s 1 Hillhouse ave.
 Luke, W., 2d, 24 107 v-s.
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 Lull, R. S., *Prof.*
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 Lundgren, H. R., 2 l 132 Howe st.
 Lunt, C. S., Jr., 24 471 H.
 Lunt, S. B., 21 748 M.Q.
 Lunt, T. E., 22 104 W.
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 Lusk, W. T., 24 340 W.H.
 Luykx, J. N., 24 201 F.
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 Lynch, J. H., 24 120 v-s.
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 Lynch, R. J., 21 s 114 College st.
 Lyon, S. M., 22 128 W.
 Lyon, W. H., 23 s 96 Wall st.
 Lyons, E. C., 23 181 L.
 MABRY, H. C., 1 l 123 Wall st.
 McAleenan, J. A., Jr., 21 s
 1 Hillhouse ave.
 McAleenan, K., 21 s 17 Hillhouse ave.
 MacAlister, P. R., *art* 104½ High st.
 McAndrews, L. F., 1 m 200 York st.
 McBride, G. M., g I 125 High st.
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 McCabe, G. K., 21 708 M.Q.
 McCallum, J. H., *Sr. d* 1208 T.
 McCallum, R., 24 501 H.
 McCamic, J. T., 1 l 333 York st.
 McCance, W. H., *Sr. d* 294 Lawrence st.
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 McCarthy, J. S., 4 m 30 Lines st.
 McCarthy, R. R., *Asst.*, g I
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 McCaughey, R. J., 2 l 370 Temple st.
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 MacColl, K. D., 21 s 111 Grove st.
 McCord, E. S., Jr., 21 798 M.Q.
 McCrea, C. C., 24 374 W.H.
 McCrea, J. A., Jr., 23 s 133 College st.

- McCreery, M., 23 s 17 Hillhouse ave.
 McCrosky, T. T., 23 s 141 High st.
 McCulloch, W. S., 21 771 M.Q.
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 (355 O.B.L.) 137 Wall st.
 McCutcheon, A. B., art 81 Broadway
 McDermott, J. J., 23 s 161 Mansfield st.
 MacDonald, D. W., Jr., 21 753 M.Q.
 McDonald, E. J., 24 333 WH.
 MacDonald, H. B., 21 s 124 Prospect st.
 McDonald, L., 22 139 W.
McDonald, W., Jr., Instr.
 (518 Orange st.) 625 Orange st.
 McDonnell, C. W., 24 167 V-S.
 McDonnell, F., 21 818 M.Q.
 McDonnell, M. H., mus
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McDonnell, R. A., Prof. Emeritus
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 McDonough, J. B., Jr., 23 660 WR.
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 MacEslin, D. R., 24
 79 Putnam ave., Whitneyville
McFarland, B. W., Asst. Prof.
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 McGavran, D. A., Mid. d 1208 T.
 McGee, N. S., 24 438 FW.
 McGrath, A. W., 22 59 V.
 McGuire, H. A., 24 344 WH.
McGuire, W. C., Asst. 106 Park st.
 McHenry, A. C., 22 5 V.
 Machesney, H. A., Jr., 23 661 WR.
 McInerney, P. C. C., 24 345 WH.
Macintosh, D. C., Prof.
 (1113 E.) 5 Harmon st., Whitneyville
 McKaig, R., 23 s 70 Trumbull st.
 McKay, A. B., g I 209 York st.
 MacKay, C. C., 24 112 V-S.
 MacKay, J. J., 23 162 L.
 McKee, E. M., Sr. d 107 Avon st.
 McKee, F. W., 22 92 C.
 McKee, M. C., g III New London
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 MacKenty, J. G., 23 s 70 Trumbull st.
 Mackenzie, L. L., 23 239 D.
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 McLane, R. T., 24 382 WH.
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 McLaughlin, G. F., 22 140 W.
 McLean, A. D., 22 721 M.Q.
 McMahan, J. G., 22 s 126 High st.
 McMahan, L. J., 1 l 333 York st.
 MacMartin, A. A., 24 334 WH.
 McMichael, H., 21 s 133 College st.
 MacMillan, C., 22 45 V.
 MacMillan, D., 24 108 V-S.
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 McNamara, F. T., 19 s 70 Trumbull st.
 McNaught, S. B., 23 653 WR.
 McNett, P. S., 2 l 43 Pendleton st.
 Macnie, J. P., 21 822 M.Q.
 MacPherson, E. H., 21 s 124 Prospect st.
McQueen, A. S., Asst.
 187 Montowese st., Branford
 McTernan, E. K., 22 s 82 Wall st.
 Madero, H., 23 s 111 Grove st.
 Madlener, A. F., Jr., 23 230 F.
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 Mag, S. E., 24 381 WH.
 Magid, B. H., mus 11 Vernon st.
Mailhouse, M., Prof. Emeritus
 (195 Church st.) 345 Willow st.
 Mailhouse, R., g I 345 Willow st.
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 Mali, H. J., 21 723 M.Q.
 Mallon, P., 21 703 M.Q.
Malone, D., Instr., g I (C₁, O.) 128 High st.
 Mallory, W. N., 24 433 WH.
 Malloy, H. D., 23 s 12 Prospect pl.
 Malsin, R. B., 21 712 M.Q.
 Maltby, J. B., 23 s 111 Grove st.
Mandell, M. S., Instr.
 (6 LAM.) 43 Kensington st.
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 Manevitz, F. R., 24 1600 West Chapel st.
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 Mann, L. L., d 92 Linden st.
 Mann, W. T., 23 655 WR.
Manning, F. J., Instr., g I
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 Manning, H. T., g I 8 Edgewood ave.
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 Markham, L. J., 24 396 a.
 Markham, R. W., *art* 333 York st.
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 Markle, D. S., 23 46 Harrison st.
 Markle, G. M., 22 s 317 Whalley ave.
 Markle, J., 21 256 Portsea st.
 Markle, J., 2d, 24 149 v-s.
 Markle, S., 3 l 256 Portsea st.
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 Marsh, R. T., 21 817 M.Q.
 Marshall, A. M., Jr., 23 s 119 College st.
 Marshall, G. P., 21 s 111 Grove st.
 Marshall, H. R., 23 271 D.
 Marshall, H. W., 21 s 111 Grove st.
 Marshall, J. T., 23 s 82 Wall st.
 Marshall, W. B., 21 s 111 Grove st.
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 Martin, G. A., Jr., 23 134 w.
 Martin, G. B., 23 239 D.
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 Marvin, E. W., 22 77 c.
 Marvin, W. R., Jr., 22 46 v.
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 Maurer, K. L., 21 s 148 Cold Spring st.
 Maurer, O. E., d 311 Temple st.
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 Mendelson, W., 24 82 Scranton st.
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 Merker, J. C., 21 s 96 Wall st.
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 Merriam, J. L., 23 76 Rosette st.
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 Merriam, V. L., *Asst.* (162 A, S.C.L.) 118 Ocean View st., Morris Cove

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 Miller, J. L., 24 339 W.H.
 Miller, K. O., 21 741 M.Q.
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 Miller, R. E., 23 238 D.
 Miller, R. O., 24 359 W.H.
 Miller, S., 23 s 432 Ferry st.
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 Miner, W. C., 22 791 M.Q.
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 Mitchell, C. B., 23 230 F.
 Mitchell, F. H., 22 103 w.
 Mitchell, H. M., 23 s 17 Hillhouse ave.
 Mitchell, H. S., g I Forest terrace, Westville
 Mitchell, I. S., g I 89 Whalley ave.
 Mitchell, J. A., g I 219 York st.
 Mitchell, J. M., 1 m 219 York st.
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 Mitchell, W. L., Jr., 24 699 Forest st.
 Mitchell, W. W., 24 338 W.H.
 MitKewich, W., 24 127 Butler st.
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 Moore, G. F., 24 336 W.H.
 Moore, J., g I 220 Howard ave.
 Moore, J. P., 24 350 W.H.
 Moore, L., Jr., 24 482 H.
 Moore, M. A., g I 114 High st.
 Moore, S., 2 m 736 Orange st.
 Moore, T. L., 21 s 1 Hillhouse ave.
 Moore, W. B., 21 803 M.Q.
 Moore, W. S., 22 s 1 Hillhouse ave.
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 Morgan, B. A., g I 5 St. Ronan terrace
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 Morgan, R. B., 21 s 119 College st.

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 (314 D.L.E.) 352 Yale ave.
Morse, A. H., Prof. (B.M.L.) 71 College st.
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 Munger, R. L., 24 3 HW.
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 Munson, F. M., g I 124 Wall st.
 Muntz, E. E., g I 131 Howe st.
 Muntz, L. W., g I 29 Wall st.
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 Murphy, C. F., 24 106 v-s.
 Murphy, C. T., 19 s 1 Hillhouse ave.
 Murphy, E. E., mus 130 Wall st.
 Murphy, F. T., 23 HART
 Murphy, G. K., 23 211 F.
 Murphy, J., 23 s 139 Putnam st.
 Murphy, L., 24 22-23 HW.A.
Murphy, M. L., Clerk
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 Murphy, R. W., 24 464 FW.
 Murphy, S. J., 22 s 159 York st.
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Murray, J. H., Supt. 227 Mansfield st.
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 Myers, C. T., art 121 York st.
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 Nagy, E. V., g I 312 Temple st.
Nabum, L. H., Asst. 252 York st.
 Nair, H. L., 24 469 FW.
 Nair, I., 22 638 WR.
 Nangle, B. C., 21 708 M.Q.
 Nason, E. H., g I 315 York st.
 Nathanielsz, C. E. V., Sr. d, g II
 65 Shepard st., Morris Cove
 Nauss, E. F., Mid. d North Haven
 Neal, B. L., mus 82 Trumbull st.
 Neal, K. A., 23 233 D.
 Neelands, T. D., Jr., 24 1 Hillhouse ave.
 Neethling, E. J., f 168 Mansfield st.
 Neidlinger, N. G., 24 466 FW.
 Neil, C. H., g I 30 Mansfield st.
Nellans, C. T., Asst. N.H.H.
Nelson, P. M., Asst., g I
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 Nettleton, E. T., 21 s 29 Huntington st.
Nettleton, G. H., Prof.
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 Neville, J. E., 21 710 M.Q.
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 Newberry, R. W., 21 s 82 Wall st.
Newell, E. T., Curator
 156th st. and Broadway, New York City
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Newball, R. A., Asst. Prof.
 (7 L.) 353 Ellsworth ave.
 Newlander, A., 24 423 Redfield ave., Bridgeport
 Newman, A., 22 716 M.Q.

- Newman, P., 21 s 264 Portsea st.
 Newmarker, E. L., g I 1154 E.
 Newton, D. H., 21 s 111 Grove st.
 Newton, J. A., 21 788 M.Q.
 Nicholas, J. S., Asst., g I o.z.l.
 Nichols, G. E., Asst. Prof. (356 o.b.l.) 73 Howe st.
 Nichols, H. K., 24 371 WH.
 Niemeyer, J. H., Prof. Emeritus 251 Lawrence st.
 Nirenstein, J. J., 24 334 Norton st.
 Noble, W. K., Jr., 21 768 M.Q.
 Noerenberg, J. H., Jr. d 1166 T.
 Nolan, T. B., 21 s 360 Temple st.
 Nordin, G. R., 23 s 276 Prospect st.
 Norris, A. L., 24 171 V-S.
 Norris, A. O., 24 174 V-S.
 North, E. H., 24 608 Savin ave., West Haven
 Norrb, R. A., Asst. 8 Prospect pl.
 Norton, C. B., 24 23-24 HART
 Norton, F. J., 21 70 C.
 Norton, G., Asst. (WOOD.) 218 York st.
 Norton, G. W., Jr., 23 225 F.
 Norton, H. E., 22 27 V.
 Norton, R. A., 3 l 455 George st.
 Norton, R. C., 22 129 W.
 Norton, S. S., Jr., 21 769 M.Q.
 Notkins, L. A., Asst. 704 Howard ave.
 Nottelmann, R. H., 2 l 40 Lynwood pl.
 Notz, J. K., 23 206 F.
 Novakovsky, S., g I 266 Livingston st.
 Nowak, E. L., Mid. d 1135 E.
 Nowlan, H. M., 23 623 WR.
 Noyes, E. S., Instr. (200 L.O.M.) 755 Orange st.
 Nufer, L. G., 21 s 124 Prospect st.
 Nye, G. M., 22 s 119 College st.
- O**ARD, H. C., 23 250 D.
 O'Brien, B. P., g I 121 Wall st.
 O'Brien, E. F., 21 s 1 Hillhouse ave.
 O'Brien, J. F., Asst. 196 York st.
 O'Brien, J. L., 23 226 F.
 O'Brien, J. P., 21 786 M.Q.
 O'Brien, P. C., 21 s 124 Prospect st.
 O'Brien, T. J., 21 732 M.Q.
 O'Brien, T. K., 23 37 V.
- O'Connell, M. F., 3 m 834 State st.
 O'Connell, T. W., 21 753 M.Q.
 O'Connor, H. P., 22 108 W.
 O'Connor, J. J., 2 l 371 Crown st.
 O'Connor, P. H., 2 l 377 Shelton ave.
 O'Donnell, G. H. R., Jr., g I 516 Winthrop ave.
 O'Donnell, M. M., mus 615 Winchester ave.
 Oed, J. F., 24 162 V-S.
 O'Gorman, A. E., 22 31 V.
 O'Grady, B. J., 1 m 153 York st.
 O'Hearn, C. M., 24 101 V-S.
 Ohley, C. S., 23 266 D.
 Ohley, W. D., 23 266 D.
 Ohnell, E., Jr., 24 146 V-S.
 Okumura, F., 23 160 L.
 Olean, J. A., 2 m 430 George st.
 Oliver, J. F., 21 s 370 Temple st.
 Olmstead, G. E., 23 626 WR.
 Olmstead, H. K., 24 147 V-S.
 O'Mara, D. J., Asst. (59 College st.) 316 Winthrop ave.
 O'Meara, E. J., Cat. (4 LIB.) 97 Whitney ave.
 O'Neill, C. W., Asst., g I 63 Grove st.
 O'Neill, E. M., Asst. (118 WIN.) 762 Howe ave., Shelton
 Oppenheim, L., Jr., 21 s 352 Temple st.
 Orme, R. M., 23 s 133 College st.
 Orr, E. C., 21 s 111 Grove st.
 Orthwein, F. C., Jr., 23 s 1 Hillhouse ave.
 Orthwein, R. W., 23 s 1 Hillhouse ave.
 Ortlepp, W. H., 24 2057 Main st., Bridgeport
 Osborn, L., Asst. (117 Wall st.) 167 Ellsworth ave.
 Osborn, M. A., Asst. Sec'y (WOOD.) Laurel road
 Osborn, M. L., Jr. f Woodbridge
 Osborne, E. R., mus 169 1/2 Chatham st.
 Osborne, N. G., 21 s 17 Hillhouse ave.
 Osborne, O. T., Prof. (177 Church st.) 1155 Forest st.
 Osborne, W. W., 22 s 128 Grove st.
 Osbourn, C. S., g I 1216 T.
 Oscarson, P. J. P., 20, g III 246 Nicoll st.
 Osmond, R. H., Jr., 2 m 222 Main st., West Haven

- Osterlob, S., Cat.* (LIB.) 567 Orange st.
Ostmark, N. E., 1 l 333 York st.
Ostrander, H. J., Cashier
 (wood.) 450 Yale ave.
Ostrofsky, E. M., mus
 650 Boston ave., Bridgeport
O'Sullivan, J. R., 24
 75 Cottage st., Derby
Otis, R., 24 438 fw.
Otis, S. H., 23 222 f.
Otis, W. E., 23 s 133 College st.
Outhet, J. C., 24 108 v-s.
Overholt, H. V., 21 s 96 Wall st.
Owen, C. A., g I 1197 t.
Owen, H. H., 24 356 wh.
Owen, J. C., 23 607 wr.
Owen, J. S., 2d, 23 262 d.
Owens, H. T., 1 l
 45 E. Eaton st., Bridgeport
- P**AGE, A. S., s 315 York st.
 Page, H. B., 22 9 v.
Page, L., Asst. Prof.
 (36 s.p.L.) 244 Livingston st.
Page, N. W., 24 504 h.
Page, R. G., 22 9 v.
Page, S., 21 729 m.q.
Paine, F. T., 22 55 v.
Paine, P. E., 2 l 1488 Yale P. O.
Paine, R. H., 21 763 m.q.
Palmer, E. H., 22 75 c.
Palmer, H. D., 24 491 h.
Palmer, J. B., d Y.M.C.A., Hartford
Palmer, M., Asst. (w.o.) 98 Brownell st.
Palms, C. L., Jr., 22 103 w.
Papp, A., 23 s 379 Temple st.
Pardee, E. M., Asst. (4 HART) Short Beach
Pardee, E. P., Asst. (12 h.) 83 Grove st.
Pardo, M. H., art 86 Trumbull st.
Parente, D., 23 s 53 White st.
Parke, W. C., 23 229 f.
Parker, C. S., 23 s 352 Temple st.
Parker, D. P., 23 622 wr.
Parker, L. P., 22 92 c.
Parkhurst, L. W., 24 436 fw.
Parsons, A. W., 22 85 c.
Parsons, C. L., 21 704 m.q.
Parsons, F. A., Jr., 21 s 8 Prospect pl.
- Parsons, J. C., 22* 67 v.
Parsons, N. B., Jr., 24 136 v-s.
Pascale, A., mus 298 Davenport ave.
Pass, A. H., 24 179 English st.
Pastor, R. B., 1 m 327 Edgewood ave.
Pastroff, M. L., 21 s 845 Congress ave.
Patch, C., Jr., g I 184 f.
Paton, J. B., g III 315 York st.
Paton, Mrs. M. T., Asst.
 (117 Wall st.) 468 Munson st.,
 Beaver Hills
Patten, M. W., Asst., g I
 (302 o.z.L.) 114 High st.
Patterson, B. R., 22 133 w.
Patterson, H. C., Jr., 24 102 v-s.
Patterson, R. A., Asst. Prof.
 (38 s.p.L.) 117 Avon st.
Patterson, W. S., 21 s 310 York st.
Patton, A. C., Jr., Instr., g I 390 b.
Patton, M. M., Cat. (4 LIB.) 42 Carmel st.
Paul, J. D. S., g I 1122 e.
Paul, J. H., 23 652 wr.
Paul, R. H., Jr., 21 759 m.q.
Paulson, J. D., art Box 603, New Haven
Paxton, E. W., 21 s 111 Grove st.
Paxton, J. H., 22 45 v.
Paxton, M. W., Jr., 2 l 74 Wall st.
Paxton, W. C., s 114 College st.
Payson, C. S., 21 748 m.q.
Payson, H., Jr., 24 440 fw.
Payson, J. B., 21 s 17 Hillhouse ave.
Peabody, L. E., Instr., g I
 (34 s.h.) 46 Hawthorne ave.,
 Whitteyville
Pearson, H. S., 24 475 h.
Pearson, P. G., 23 s Derby
Pease, L. F., Instr.
 (s.m.h.) 126 E. 24th st., New York City
Peck, N. C., 23 s 360 Temple st.
Peck, N. T., 24 503 h.
Peck, S. R., 23 270 d.
Peck, T., Prof. Emeritus
 Boston Hotel, Rome, Italy
Peete, C. S., g I 35 W. Park ave.
Peirce, G. E., Jr., 22 30 v.
Pelly, B. B., 23 646 wr.
Penn, B. A., 24 182 v-s.
Perkins, D. H., 23 171 l.
Perkins, F. C., Jr., 24 9 hw.

- Perry, E. W., 21 s
29 Florence st., Westville
- Perry, H. T., *Instr.*
(200 L.O.M.) 328 Temple st.
- Perry, R., 23
151 L.
- Persky, A. E., 23 s
420 Temple st.
- Persoff, A. M., 21 s
42 Ellsworth ave.
- Persoff, L. E., 2 m
42 Ellsworth ave.
- Peterman, F., *Asst.*
(B.M.L.) 1210 Chapel st.
- Peters, H. M., 19 s
133 College st.
- Peters, J. S., 21 s
84 Wall st.
- Peters, J. W., 19 s
133 College st.
- Peters, S. A., 24
5 B.M.H.
- Peterson, A. J., 21 s
48 Gill st.
- Peterson, F. J., 22
41 v.
- Peterson, W. A., 20
73 c.
- Petrelli, J., 21 s
263 St. John st.
- Petrunkovitch, A., *Prof.*
(201 O.Z.L.) 266 Livingston st.
- Pettegrew, L. S., 23
130 w.
- Petty, O. A., d
395 Edgewood ave.
- Pfaltz, M. H., g I
114 High st.
- Pharr, J. N., 23 s
17 Hillhouse ave.
- Phelps, D. L., *Grad. d*
Oxford, England
- Phelps, H. F., 21 s
370 Temple st.
- Phelps, W. L., *Prof.*
(22 L.A.M.) 110 Whitney ave.
- Pbilbrook, L. F., *Asst.*
(B.M.L.) 263 Crown st.
- Pbillips, A., *Asst. Prof.*
(H.M.L.) 64 Brownell st.
- Phillips, A. H., 23
413 Orange st.
- Phillips, A. J., 23 s
226 Lloyd st.
- Pbillips, F. L., *Asst. Prof.*
413 Temple st.
- Phillips, M. G., 22 s
135 Wall st.
- Pbillips, M. L., *Asst.*
(wood.) 1630 Chapel st.
- Phinney, J. T., 23
665 w.r.
- Phipps, D. A., 21 s
96 Wall st.
- Pick, F. G., 24
381 wh.
- Pierce, F. E., *Asst. Prof.*
(210 L.O.M.) 402 Edgewood ave.
- Pierpont, J., *Prof.*
102 Avon st.
- Pierson, E., 1 m
Cromwell
- Pierson, M. E., *mus*
36 Wallace st., West Haven
- Pierson, R. W., 24
34, 128 High st.
- Pillsbury, P. W., 24
353 wh.
- Pincbot, G., *Prof.*
Milford, Pa.
- Pirnie, J. A., 21 s
123 Wall st.
- Pite, A., g I
128 DeWitt st.
- Pite, S., 24
128 DeWitt st.
- Pitman, F. W., *Asst. Prof.*
(224 L.O.M.) 150 Edgehill road
- Pitman, J. H., g I
82 Wall st.
- Plant, S. B., *Asst.*
(N.H.H.) 379 Temple st.
- Platt, J. D., 2d, 23 s
17 Hillhouse ave.
- Platt, J. S., 24
429 fw.
- Platt, L. S., 23
219 York st.
- Plumley, H. H., 21
767 m.Q.
- Pokras, M., *art*
213 Dwight st.
- Polayes, S. H., 21 s, 1 m
69 Arch st.
- Pole, H. S., 2d, 24
337 wh.
- Polito, F. L., 4 m
60 Williams st.
- Pollard, J. K., 22
17 v.
- Polley, J. C., 21
280 West Ivy st.
- Pomeranz, A., 21 s
67 Grove st.
- Pomeroy, R. W., Jr., 24
353 wh.
- Pond, J. L., 23
208 f.
- Poole, H., 19 s
67 Silver st.
- Pooley, J. E., 22
11 v.
- Pope, F. M., *Sr. d*
1130 E.
- Porter, D. W., *Instr.*
58 Wall st.
- Porter, F. C., *Prof.*
(1111 E.) 266 Bradley st.
- Porter, L. M., 24
137 v-s.
- Potter, H. W., d
52 Howe st.
- Pottle, F. A., g I
124 Wall st.
- Pottle, Mrs. M. S., *Cat.*
(HEN.) 200 York st.
- Potts, H. L., Jr. d
1145 E.
- Potts, W. B., Jr., 24
29-30 HART
- Pounder, J., *Grad. d*, g II
1124 E.
- Powell, F. W., g III
275 Dwight st.
- Powell, H. H., 21 s
124 Prospect st.
- Powell, W. E., *Sr. d*
1153 E.
- Powelson, R. S., 22 s
152 Grove st.
- Powers, J. C., 21
25 Whittlesey ave.
- Powers, J. H., 3 l
25 Whittlesey ave.
- Pratt, A. S., *Asst. Lib'n*
(LIB.) 210 Park st.
- Pratt, C. D., 22
41 v.
- Pratzner, Mrs. L. M., *Sec'y*
(A.S.) 244 Dwight st.
- Prentice, T. M., 21 s
119 College st.
- Prentis, M. E., g I, d
576 George st.

- Prescott, C. H., Jr., 22 44 v.
 Preston, H. J., 24 996 Townsend ave.
 Preston, J. F., 1 m 142 L.
 Preston, T. R., 21 996 Townsend ave.
 Price, A. O., 21 s 1 WH.
 Price, F. W., *Mid. d.*, g II 1121 E.
 Price, H. B., *Instr.*, g I
 (994 Yale P. O.) 382 Whitney ave.
 Price, J. M., 21 s 1 Hillhouse ave.
 Prime, B. L., 24 449 FW.
 Pritzker, M., 24 56 Daggett st.
 Prosser, J. A., 22 122 w.
 Provost, A. G., *Asst.* 86 Broadway
 Prutzman, C. D., 2 l 132 Howe st.
 Pryor, H. J., 24 128 High st.
 Pryor, S. F., Jr., 21 s 111 Grove st.
 Puckett, N. N., g I 250 Crown st.
 Puklin, A. L., 2 l 12 Eld st.
 Puester, A., 21 s 106 Marlboro st.
 Pullen, R. W., 4 m 162 York st.
 Pullman, W. A. P., 22 s 96 Wall st.
 Purdy, W. H., *Tech.*
 (m.s.) 618 Savin ave., West Haven
 Pursell, D. E., 24 488 H.
 Putnam, L. H., 24 379 WH
- QUACKENBUSH, G. G.**, 24 476 H.
 Quaile, E. B., 22 7 v.
Quentin, C., Sec'y
 (s.m.h.) 10 Mather st., Whitneyville
 Quinn, E. A., 24 101½ High st.
- RABINOWITZ, H. W.**, 23 s
 132 Highland ave., Bridgeport
 Rabinowitz, I., *Asst.*, g I 598 Grand ave.
 Rabinowitz, S., 21 s 598 Grand ave.
 Raccuja, J., 23 s 158 Day st.
 Rachlin, G., 1 l 795 M.Q.
 Radel, J. L., 24 160 v-s.
 Radin, J. R., 23 s 250 York st.
 Rainey, E. H., *Jr. d.* 1184 T.
 Rakatzky, A. F., g I
 41 Prescott st., Bridgeport
 Ralph, A. J., *Macbinist* Mt. Carmel
 Ramsay, M. B., 22 159 L.
 Ramsay, Sir W. M., *Lect.*
 Aberdeen, Scotland
- Ramsdell, R. A., 23 s 133 College st.
 Ramsdell, R. W., *art* 119 College st.
 Ramsey, A. P., 2 l 40 Lynwood pl.
 Ramsey, W. M., 21 776 M.Q.
 Randall, H., 24 421 B.
 Randall, H. C., 22 120 w.
 Randolph, W. W., 2d, 24 466 FW.
 Rands, W. C., Jr., 24 147 v-s.
 Raphael, E. J., 22 16 v.
 Rashba, J. S., 22 s 190 Poplar st.
 Raskind, D. M., 21 s, 1 m 40 Lake pl.
 Rasmussen, E. W., 24 963 Townsend ave.
 Rathgeber, C., 24 602 Central ave.
 Rauworth, E. S., 24 348 WH.
 Rawson, E. S., Jr., 22 667 WR.
 Raymond, H. H., 22 s 67 Grove st.
 Read, H. S., g I 19 Compton st.
 Read, R. B., 20 185 f.
 Read, R. R., g I 19 Compton st.
 Read, W. T., *Instr.*, g I
 (151 C, s.c.L.) 187 Mansfield st.
 Reagen, B. V., 24 111 v-s.
 Reback, S., 21 s 142 Minor st.
 Record, S. J., *Prof.* (260 O.B.L. and MAR.)
 208 West Rock ave.
 Reddick, P. C., d 23 Beers st.
 Reddisb, G. F., *Asst.*, g I (12 S.H.) 1223 T.
 Redick, K. T., 22 48 v.
 Reed, E. B., *Asst. Prof.*
 (Bz, o.) 215 Bishop st.
 Reed, H. S., 20 189 f.
 Reed, V. Z., 24 461 FW.
 Reeser, E. I., 24 14 B.M.H.
 Reeves, I. B., *mus* 379 Whalley ave.
 Reeves, J. S., 23 642 WR.
 Reeves, O. C., 3 l 379 Whalley ave.
 Regan, H. C., *Tech.*
 (365 B.M.L.) 19 Dwight st.
 Register, A. L., Jr., 22 61 v.
 Reich, D. M., 22
 824 Park ave., Bridgeport
 Reich, P., 22 612 WR.
 Reichert, F. H., 23 s 802 Howard ave.
 Reid, F., Jr., 23 s 133 College st.
 Reid, L. S., g I 74 Wall st.
 Reid, S. H., *art* 205 f.
 Reid, S. L., *Sr. d.* 1179 T.
 Reid, T., Jr., 22 94 w.
 Reidt, C. E., *Sr. d.* Stony Creek

- Reilly, W. A., 22 813 Congress ave.
 Reinacher, G. L., 22 182 L.
 Reiner, W. A., 21 371 Crown st.
 Reker, C. H., *Tecbn.*, g I (110 WIN.) 352 Temple st.
 Renfrew, H. N., 22 35 Smith st., West Haven
 Renkert, D. J., g I 96 Wall st.
 Renner, G., 22 8 v.
 Reser, O. O., 11 333 York st.
 Rettger, L. F., *Prof.* (12 S.H.) 198 Edwards st.
 Rexroad, C. N., *Mid. d.*, g II 1119 E.
 Reynal, V. M., *art* Branford
 Reynolds, H. M., *Prof.* (3 PH.) 85 Trumbull st.
 Reynolds, H. St.C., *Instr.* (57 Trumbull st.) 196 Ellsworth ave.
 Reynolds, J. T., 31 355 Winthrop ave.
 Rhoad, F. T., *Sr. d* 1173 T.
 Rhoads, C., 23 150 L.
 Rbynedance, H. D., *Tecbn.* (O.Z.L.) 20 Lester st., West Haven
 Riccitelli, M. L., 3 m 35 Silver st.
 Rice, G. S., Jr., 23 270 D.
 Rice, H. D., *art* 277 Lexington ave.
 Rice, H. E., Jr., 22 95 W.
 Rice, S. B., *Asst.* (WOOD.) North Haven
 Rice, W. H., 24 398 B.
 Rich, G. B., 3d, 22 39 v.
 Rich, M., *Asst.* (117 Wall st.) 594 Orange st.
 Richards, R. P., 22 s 150 Grove st.
 Richardson, H. B., *Instr.* (56 High st.) 37 Blake st.
 Richardson, H. H., 22 s 360 Temple st.
 Richardson, J. E., 24 133 v-s.
 Richardson, N. R., 21 s 1 Hillhouse ave.
 Richmond, E. D., Jr., 23 s 370 Temple st.
 Richmond, T. L., Jr., 23 s 119 College st.
 Richter, J. E., 21 802 M.Q.
 Rickles, N. H., 23 s 285 York st.
 Rife, C. W., g I 106 York sq.
 Rife, M. H. S., g I 106 York sq.
 Riker, A. L., Jr., 22 s 96 Wall st.
 Riley, L. B., 24 391 B.
 Riley, M. A., *mus* 42½ East Main st., Meriden
 Rincliffe, R. G., 21 789 M.Q.
 Rinehart, H. W., g I 407 Temple st.
 Ringer, M., *Instr.*, g I (364 B.M.L.) 313 York st.
 Riordan, J. F., 23 s 150 Grove st.
 Robbins, B., 2d, 21 778 M.Q.
 Robbins, E. E., Jr., 21 s 370 Temple st.
 Robbins, J. S., 24 471 H.
 Robbins, L. A., 23 s 124 Prospect st.
 Robbins, M. H., 22 20 v.
 Robbins, W. M., 24 145 v-s.
 Roberts, C. S., 3d, 24 15-16 HART
 Roberts, E. A., 21 40 Lynwood pl.
 Roberts, F. W., g I 3 University pl.
 Roberts, J. C., 22 s 119 Grove st.
 Roberts, K. S., 24 469 FW.
 Roberts, R. C., *Asst.*, g I 1339 Chapel st.
 Robertson, C. C., 21 806 M.Q.
 Robertson, J. T., Jr., 21 761 M.Q.
 Robertson, R. A., 3d, 21 s 96 Wall st.
 Robertson, T. J., 21 752 M.Q.
 Robinson, E., 21 787 M.Q.
 Robinson, E. S., *Instr.* (252 B.M.L.) 493 Winthrop ave.
 Robinson, G. B., 1 m 196 F.
 Robinson, H. C., 24 442 FW.
 Robinson, I., 24 Meriden
 Robinson, M., g I New London
 Robinson, W. D., 21 s 1 Hillhouse ave.
 Robinson, W. F., Jr., 11 152 L.
 Roche, G. W., 23 s 310 York st.
 Rochford, D., 21 781 M.Q.
 Rockefeller, G. S., 21 760 M.Q.
 Rockefeller, J. S., 24 490 H.
 Rockhill, J. B., 22 53 v.
 Rockwell, F. S., 24 347 FW.
 Rockwell, H. H., 2d, 23 s 1 Hillhouse ave.
 Rockwell, S. E., 22 139 W.
 Roddy, C. H., 22 84 C.
 Roddy, K. P., s 84 C.
 Rodgers, B., 23 199 F.
 Rodie, W. S., Jr., 22 s 111 Grove st.
 Roe, M., g I 65 Treadwell st., Whitneyville
 Rogatz, F., 11 548 Orange st.
 Rogers, F., *Instr.* (S.M.H.) 144 E. 62d st., New York City
 Rogers, H. F., 21 794 M.Q.
 Rogers, H. W., *Instr.* (P.L.) 1107 E.
 Rogers, H. W., *Prof.* (HEN.)
 34 Gramercy Park, New York City

- Rogers, O. F., Jr., Asst.*
 (116 High st.) 278 Canner st.
Rogowski, B. A., 1 m 762 Orange st.
Rollins, C. P., Printer
 (143 Elm st.) 56 Avon st.
Rollins, H. B., 3 m 142 York st.
Romney, T. C., mus
 146 Hillside ave., Naugatuck
Romney, W. L., 23 s 370 Temple st.
Root, W. C., 22 65 v.
Roraback, C. P., 21 792 M.Q.
Rosales, D. J., 1 l 333 York st.
Rose, D. K., 24 483 H.
Rose, H. W., 23 s 84 Wall st.
Rose, R. S., Instr. (1 f.) 69 Howe st.
Rosecrans, V. J., 2 l 333 York st.
Rosen, J. F., 21 843 Howard ave.
Rosenau, D. L., Jr., 22 125 w.
Rosenberg, B., Asst.
 (B.M.L.) 61 Sylvan ave.
Rosenblatt, 24 35, 128 High st.
Rosenbloom, C. J., 1 l 135 Wall st.
Rosenman, A., f 65 Grove st.
Rosoff, A. B., Asst.
 (90 Park st.) 90 College st.
Rosoff, F., 1 l 90 Park st.
Ross, D. P., 24 369 wh.
Ross, G. I., 23 s 212 Winthrop ave.
Ross, J. E., Cashier
 (13 H.) 1233 Chapel st.
Rosselli, A., mus 352 Greene st.
Rossiter, I. S., Jr. d 1165 T.
Roth, H. N., 21 s 32 Gilbert st.
Rothchild, M. L., 1 m 220 Crown st.
Rousseau, H., Jr., 23 s 96 Wall st.
Routh, A. F., 24 497 Winthrop ave.
Row, D. H., 21 s 1 Hillhouse ave.
Rowe, S. B., 24 163 v-s.
Rowland, A. N., 22 6 v.
Rowland, D. C., 24 25-26 HART
Royal, A. M., 24 467 fw.
Rozen, I., 23 s 19 Vernon st.
Rubin, A. L., Asst.
 (HEN.) 331 Edgewood ave.
Rubin, E. H., 21 s, 1 m 37 Eaton st.
Rubin, N., 3 l 333 York st.
Ruckgaber, L. A., 23 648 wr.
Rudd, T. O., 24 104 v-s.
Ruebush, G. W., 3 l 333 York st.
- Ruge, S., 21 s* 139 Washington ave.
Ruhm, H. D., Jr., 23 s 360 Temple st.
Rule, J. H., 22 159 L.
Rumsey, D. L., 23 242 D.
Rumsey, L. M., Jr., 23 645 wr.
Runyan, L. W., 24 57 Wall st.
Rusnak, E. J., 23 633 wr.
Russel, A. L., 23 157 L.
Russel, R. B., 23 635 wr.
Russell, W. L., g I 430 Temple st.
Russo, H. J., 24 283 Lexington ave.
Rust, D. W., 24 433 fw.
Rutherford, P. B., 22 s 124 Prospect st.
Rutkowsky, E. E., 21 744 M.Q.
Ryan, A. A., Jr., 24 441 fw.
Ryan, A. H., Instr. Waterbury
Ryan, C. C., 24 119 v-s.
Ryan, E. W., 23 18 Maltby pl.
Ryan, L. W., 24 361 wh.
Ryan, W. H., 21 s 148 Grove st.
Rysgaard, J. M., Instr., g III
 (31 s.p.L.) 28 Whalley ave.
- SACHS, M. S., 22** 97 Oak st.
St. Lawrence, A. J., Asst.
 (185 Church st.) 199 York st.
- Saliers, E. A., Asst. Prof.*
 (8 s.H.) 194 Canner st.
Sallick, M. A., 1 m 426 George st.
Saltzman, S. L., s 644 Ferry st.
Saltzstein, F. C., 21 s 135 Wall st.
Salzman, B. B., 3 l Box 105, Whitneyville
Sanborn, M. R., Asst.
 (31 LIB.) 189 Leete st., West Haven
Sandberg, P. V., 22 33 v.
Sanders, J. A., Jr., 22 79 c.
Sanderson, E. S., g I 19 Compton st.
Sanderson, R. L., Asst. Prof.
Emeritus Duxbury, Mass.
Sanderson, W. E., Sr. f 86 Elm st.
Saner, Mrs. E. F., Stenog. (HEN.)
 19 Kensington st.
- Sanford, D. S., 24* 426 fw.
Sanford, L. C., Asst. 347 Temple st.
Santella, G. J. A., 22 s 132 Columbus ave.
Santos, F. O., g I 124 Wall st.
Sarason, A., 22 86 Kensington st.
Sarason A., mus. 86 Kensington st.
Sargent, B. L., mus 360 Edwards st.

- Sargent, E. W., 21 s 119 College st.
 Sarran, M. C., 24 338 WH.
 Satti, C. J., Jr., 2 m 291 York st.
 Saunders, D. G., 20 759 M.Q.
 Saunders, G. L., 21 s 333 York st.
 Savage, H. L., g I 126 Wall st.
 Sawyer, C. G., 21 763 M.Q.
 Sawyer, G. F., 24 439 FW.
Saxton, B., Asst. Prof.
 (31 K.C.L.) 24 West Elm st.
 Sayad, W. Y., 4 m 162 York st.
Scanlan, M. E., Stenog.
 (116 High st.) 299 York st.
Scarbrough, M. M., Lect. 122 College st.
 Schaal, H. R., 22 34 v.
 Schaefer, A. M., 21 s, 1 m 123 Wall st.
Scharff, A. E., Techn.
 (M.S.) Tyler City, Orange
 Schatzkin, E. S., 23 s 104 1/2 High st.
 Schaul, H. H., Jr., 22 119 w.
 Scheide, E. C., 22 18 v.
 Scheide, P. W., 24 161 v-s.
 Schenker, O. A., art Wallingford
 Schlein, W. C., 23 s 61 Daggett st.
 Schleiter, W. B., 21 793 M.Q.
Schlesinger, F., Director
 (w.o.) 477 Prospect st.
 Schlesinger, F. W., 23 s HART
 Schley, C. E., 23 247 D.
 Schlick, R. M., 21 s 352 Temple st.
 Schlosser, H. A., 21 s 86 Wall st.
 Schmidt, J. D., Sr. d 964 Yale P. O.
 Schmidt, N. L., 21 s 352 Temple st.
 Schnitman, L. S., 21 s 1361 Chapel st.
 Schoning, A. L., Mid. d 72 College st.
 Schooley, N. H., 22 114 w.
 Schoonmaker, J. D., 24 109 v-s.
 Schoonmaker, S. V., Jr., 24 31-32 HART
Schreiber, C. F., Asst. Prof.
 (221 L.O.M.) 414 Ellsworth ave.
 Schreiber, L., 24 467 FW.
 Schreiber, O. A., 23 621 WR.
 Schroeder, L. C., Jr. d 1165 T.
 Schroll, A. C., 23 s 17 Hillhouse ave.
Schubert, C., Prof. and Curator
 (223 O.Z.L.) 59 Wall st.
 Schuette, W., Jr., 23 s 133 College st.
 Schwartz, M., mus 61 Park st.
 Schwartz, R. J., 24 419 B.
 Schwolsky, G., 22 135 Wooster st., Hartford
 Schwolsky, H., 2 l 333 York st.
Scofield, A., Sec'y (H.M.L.) 568 Chapel st.
Scofield, Mrs. E., Housekeeper
 276 Prospect st.
Scott, C. F., Prof.
 (317 D.L.E.) 19 Trumbull st.
Scott, C. R., Instr. N.H.H.
 Scott, G. J., 24 21-24 HW.A.
 Scott, S., 21 707 M.Q.
 Scoville, E. H., 23 s 133 College st.
Scoville, H. M., Asst.
 (B.M.L.) 442 Temple st.
 Scoville, W. W., 22 s 96 Wall st.
 Scudder, T., 23 178 L.
 Scully, E. J., 23 164 L.
 Scully, F. E., 24 444 FW.
 Scully, V. A., 2 l 1217 T.
Seabury, R. B., Asst. 51 Trumbull st.
 Seal, H. F., g III 172 L.
 Searle, S. A., 20 193 F.
 Searles, C. C., 24 358 WH.
 Sears, R., 21 810 M.Q.
 Seegar, L. J., 23 193 Dover st.
 Seeley, L. E., 21 s 148 Grove st.
 Seely, M. W., 2d, 18 s 119 College st.
 Segal, A., Jr. d 1195 T.
 Segal, M. H., 2 l 333 York st.
Segar, M. A., Sec'y
 (WOOD.) 36 Lynwood pl.
 Seibels, C. W., 24 349 WH.
 Seibert, F. B., g I 114 High st.
 Seiple, R. H., 23 241 D.
 Seitters, J. P., d 52 Howe st.
 Selden, J. K., 24 406 B.
 Selden, S., 22 124 w.
 Selleck, H. C., 21 718 M.Q.
 Sellers, A., Jr., 23 s 96 Wall st.
 Selover, J. B., 23 s 17 Hillhouse ave.
 Sennett, B. W., 1 l 1217 T.
Seronde, J., Asst. Prof. 707 Orange st.
 Sessions, W. P., 23 180 L.
 Sevag, M. G., g I 113 Ashmun st.
Seward, H. L., Asst. Prof.
 (261 M.E.L.) 966 Townsend ave.
 Seward, W. H., 23 632 WR.
 Seward, W. S., 23 242 D.
Seymour, C., Prof. (6 WH.) 127 Everit st.

- Seymour, J. S., 24 351 WH. Shiras, W., 23 260 D.
 Seymour, W. E., 24 51 Howe st. Shivley, J. J., 19 s 148 Grove st.
 Sgutt, E., 2 l 68 Lake pl. Sholty, A. H., *Sr. d* 395 Temple st.
 Shadrach, E. F., 2 l 333 York st. Shorr, E., 3 m 789 Grand ave.
 Shaefer, A. M., 1 m 51 Lake pl. Shorr, E. Y., 21, 1 m 787 Grand ave.
 Shaffer, F. S., 23 645 WR. Short, R. B., 21 s 119 College st.
 Shaffer, W. B., 21 s 133 College st. Shotwell, E. B., 23 261 D.
 Shannon, J. C., 3 l Shubs, N., 23 s 44 Hurlburt st.
 245 Congress st., Bridgeport Sidebotham, A. B., 23 201 F.
 Shapiro, S., 24 575 Orange st. Siemens, E. W., 21 711 M.Q.
 Shapiro, S., 3 l 650 Grand ave. Sigal, J. B., 2 m 420 Temple st.
Sbarpe, A. H., Director Silk, E. T., 24 75 Autumn st.
 (Y.U.A.A.) 204 Fountain st. Sill, S. M., 23 387 B.
 Shattuck, I. S., 22 s 148 Grove st. Silliman, S. E., 23 261 D.
 Shaw, C. C., 24 454 FW. Silver, A., 24 17 Broad st.
Shaw, M., Lib'n (MAR.) 1220 Chapel st. Silverman, T., 24 59 Prospect st.
 Shaw, T. E., 23 199 F. Simmons, C. W., *Jr. f* 137 Mansfield st.
 Shay, F. L., 1 m, 21 s Simonds, B. T., *mus* Paris, France
 32 Whittlesey ave. Simonds, P. A., Jr., 24 456 FW.
 Shea, A. G., *art* New Britain Singer, S., 23 s 285 York st.
 Shedden, R. F., 22 748 M.Q. Sircom, A. R., 24 354 WH.
 Sheehan, D. M., Jr., 23 105 Avon st. Sisman, W., 23 233 D.
 Sheehan, W. J., 2 m 105 Avon st. Sistare, F. K., 24 467 FW.
 Sheehy, M. E., 24 *Skelton, R. H., Instr.*
 38 Columbia st., Ansonia (127 A, WIN.) Stratford
 Sheets, G. D., g I 86 Elm st. Skinner, C. K., 23 s 111 Grove st.
 Sheffield, F., 24 474 H. Skinner, O. B., 24 164 V-S.
 Sheffield, W. W., 23 s 70 Trumbull st. Sklaire, H., 23 s 547 Washington ave.
 Sheldon, K. H., 20 s 1 Hillhouse ave. Slade, G. N., 24 132 V-S.
Sheldon, W. H., Prof. 151 Cold Spring st. Slater, M., 1 m 35 Vernon st.
 Shelton, T. D., Jr., 22 55 Sylvan ave. Slayton, H. W., 20 184 F.
 Shen, P. F., *Sr. f* 1114 E. Sledd, A. P., g I 124 Wall st.
 Shepard, A., 21 793 M.Q. Sling, H. H., 24 32, 128 High st.
 Shepatin, N., 24 452 Congress ave. Sloan, J. A., 21 757 M.Q.
 Sheppard, A. W., 21 s 96 Wall st. Sloane, W. W., *mus* 380 Central ave.
 Sheridan, A. B., 24 394 B. Slown, I. E., 22 s
 Sheridan, D. R., 24 383 B. Slutz, L. G., 1 l
Sheridan, E. M., Asst. (B.M.L.) 711 Orange st. The Milford School, Milford
 Sheriff, R. M., 24 351 WH. Smeallie, E. L., g I 135 Huntington st.
Sherman, H. V., Asst., Bureau of App'ts, 20 Smiley, E. F., g I 382 Whitney ave.
 (11 H.) 197 F. Smiley, M. N., g I 382 Whitney ave.
 Sherman, S., 24 230 Pine st. Smirnow, F., *art* 376 Whitney ave.
 Sherrill, S. H., g I 280 Whalley ave. Smith, A. G., 23 643 WR.
 Sherwin, J., Jr., 23 s 133 College st. *Smith, A. H., Instr.*
 Sherwood, C. E., 3 l 333 York st. (S.L.P.C.) 352 Temple st.
 Shetter, E., *mus* 651 State st. Smith, A. W., 22 674 WR.
 Shevlin, E. L., 21 707 M.Q. Smith, B., 24 142 V-S.
 Shiman, L., 24 396 B. Smith, B. B., 24 176 V-S.

- Smith, C. H., Prof. Emeritus*
 461 S. Goodman st., Rochester, N. Y.
Smith, C. W., 24 North Haven
Smith, D. C., 22 96 w.
Smith, D. C. A., 21 726 M.Q.
Smith, D. S., Prof.
 (S.M.H.) 755 Whitney ave.
Smith, D. W., 22 812 M.Q.
Smith, E., 24 455 F.W.
Smith, E. B., 21 s 112 College st.
Smith, E. C., 23 236 D.
Smith, E. H., art West Haven
Smith, E. R., Jr. f 333 York st.
Smith, F. M., Jr., 22 51 v.
Smith, G. H., Asst. Prof.
 (B.M.L.) 512 George st.
Smith, H. D., Sr. d 187 Lawrence st.
Smith, H. D., 24 335 WH.
Smith, H. E., Prof. Emeritus
 Los Gatos, Calif.
Smith, H. L., g I 15 Pearl st., Middletown
Smith, H. N., 23 221 F.
Smith, H. S., g I 1183 T.
Smith, H. T., 22 62 Lake pl.
Smith, H. V., 23 621 WR.
Smith, J. A., Jr., 21 s 111 Grove st.
Smith, K. M., art West Haven
Smith, L. A., 24 470 F.W.
Smith, L. R., 24 179 v-s.
Smith, M. F., Asst.
 (275 M.E.L.) 130 Montowese st.,
 Branford
Smith, N. N., 21 s, I m 17 Daggett st.
Smith, P. F., Prof. (5 S.H.) 330 Willow st.
Smith, R. E., Sec'y (c.) 379 Winthrop ave.
Smith, R. G., 23 213 F.
Smith, R. W., I m 124 Wall st.
Smith, S., g I 114 High st.
Smith, S. A., 21 s 126 High st.
Smith, S. A., Jr., 21 s 148 Grove st.
Smith, S. B., Asst., g I 278 Exchange st.
Smith, S. H., Curator
 (WOOL.) 78 Court st., West Haven
Smith, S. I., Prof. Emeritus
 147 Whalley ave.
Smith, T. S., 23 640 WR.
Smith, T. W., Jr., 23 s 17 Hillhouse ave.
Smith, W. F., Accountant
 (U.S.B.) 263 Orange st.
- Smith, W. P., Instr.* (271 M.E.L.) 76 4th st.
Smith, W. R., Asst., g I
 (M.E.L.) 454 Washington ave.,
 West Haven
Smith, Y. G., 22 670 WR.
Smithson, M. C., I I 36 High st.
Snively, M. E., I m 546 Washington ave.
Sneath, E. H., Prof. 285 Whitney ave.
Snee, J. M., 2 I 8 Prospect pl.
Sneiderman, H., 2 m 102 Rosette st.
Snyder, B., 24 134 v-s.
Soby, S., Techn. N.S.
Soderman, M. A., g I 238 Poplar st.
Soderston, H. R., Jr. f 464 Whalley ave.
Soifer, J., 21 s, I m 1188 T.
Solley, R. F., 22 50 v.
Solt, I. H., g I 120 York st.
Soule, H. B., Asst. (5 LIB.) 12 Gill st.
Sourbeck, R. N., 21 s 1 Hillhouse ave.
Soutworth, G. C., Instr.
 (35 S.P.L.) 54 Wooding st.
Spalding, E. D., Asst. N.H.H.
Spalding, J. P., mus 97 Grove st.
Spang, D., Asst. (M.S.) 267 Orange st.
Sparks, A. E., mus. 263 Columbus ave.
Spaulding, F. E., Prof.
 (D.E.) 516 Orange st.
Spaulding, J. A., Instr. (215 L.O.M.) 1203 T.
Speck, W. A., Curator
 (26 LIB.) 2519 Whitney ave., Hamden
Speiden, J. G. F., 22 97 w.
Spellman, I. S., 24 9-10 HART
Spencer, E. H., Asst., g III
 (325 O.Z.L.) 483 Washington ave.,
 West Haven
Spencer, F. L., 22 103 w.
Spencer, L. T., g I HART
Spencer, W. W., 22 625 WR.
Sperandeo, A., 21 s 83 Chestnut st.
Sperry, F. N., Prof.
 (59 College st.) 24 Huntington st.
Spinelli, S., mus 147 Greene st.
Spitzmiller, G. E., 23 s 119 College st.
Splain, H. P., 21 s 20 Lake pl.
Sprague, J. K., 24 448 F.W.
Spring, E. W., 24 11 B.M.H.
Stabeck, V. F. T., 23 653 WR.
Stackpole, J. H., 24 489 H.
Stabl, D. T., Clerk (c.) 68 Howard ave.

Stalnaker, L. W., <i>Grad. d.</i> , g II 591 Campbell ave., West Haven	Stewart, C. M., 24 <i>Stewart, G., Jr., Gen. Sec'y</i> , g I (D.W.) 460 Prospect st.	389 B. 706 M.Q.
<i>Stander, H. J., Asst.</i> , 4 m (N.H.H.) 430 George st.	Stewart, J., 21	126 High st.
<i>Standish, F. B., Asst. Prof.</i> 199 York st.	Steyne, A. N., 19 s	88 c.
Standish, W. A., 22	Stickler, J. H., 22	120 v-s.
Stanford, A. G., 24	Stickley, S. J., 24	84 Wall st.
Stanton, A. P., <i>d</i>	Stickney, A. B., 2d, 23 s	310 York st.
Stanton, J. S., Jr., g I	Stiles, F. E., 21 s	94 w.
Stark, H., 21	Stimson, W. B., 22	34 v.
Starr, E., Jr., 22	Stockmeyer, H. S., 22	259 D.
Stearly, G. R., 23	Stoddard, K., 23	93 Henry st.
<i>Stearns, C. L., Asst.</i> , g I	Stoddard, P. W., 24	(WOOD.) 149 Elm st.
Stearns, H. P., 2d, 22	<i>Stokes, A. P., Univ. Sec'y</i>	236 D.
Stebbins, J. R., 22 s		218 F.
Stedman, G. W., Jr., 22		189 v-s.
Steed, L. R., <i>mus</i>	Stokes, C. E., Jr., 23	
Steele, L. H., 24	Stone, C. P., Jr., 23	
Steele, M. S., 21 s	Stone, G. L. P., Jr., 24	
Steele, W. A., 21	Stone, I. V., g I	
Stehli, H. E., 24		17 Clinton ave., Woodmont
Stein, H. L., 22	Stone, J. B., 23	259 D.
Steinbach, M., 24	Stone, L. C., 21 s	148 Grove st.
Steinecke, W. M., g I	<i>Stone, L. S., Asst.</i> , g I	
Steiner, R. W., <i>Str. d</i>		(M.S.) 230 Church st.
Steinert, A., 23		148 Grove st.
Steinhart, F., Jr., 1 l	Stone, M. W., 21 s	130 v-s.
Stephens, F. J., <i>Jr. d</i>	Stone, W. A., Jr., 24	367 Orange st.
	Stone, W. H., 24, <i>mus</i>	104 1/2 High st.
	Stonehill, C. A., Jr., 21 s	380 WH.
	Stonleigh, D. R., 24	
	Stoner, L. H., 22 s	70 Trumbull st.
Stephens, T. P., <i>d</i>	Storm, L. K., 21	702 M.Q.
<i>Stephenson, N. W., Prof.</i>	Storrs, C. H., 23	611 WR.
	Story, B. F., 22	151 L.
	Stovall, J. G., 23 s	17 Hillhouse ave.
	Stowe, E. F., <i>d</i>	576 George st.
	Strickland, D. W., <i>Mid. d</i>	
		244 Edgewood ave.
<i>Stetson, R. W., Asst.</i> , g I	Stringer, P., 21	807 M.Q.
	Strobel, L. E., 21 s	370 Temple st.
	Strong, H. B., 22	673 WR.
Stevens, G. S., <i>mus</i>	Strout, A. L., g I	124 Wall st.
Stevens, H. D., 1 l	<i>Strout, E., Cat.</i> (4 LIB.)	334 Crown st.
Stevens, K. H., 24		1210 Chapel st.
Stevens, R. C., 23	Struett, J. A., 3 l	74 Wall st.
Stevens, R. T., 21	Stubing, E. S., 23	124 Prospect st.
Stevens, R. W., 23 s	Stucke, D. B. B., 23 s	8 Prospect pl.
<i>Stevens, S., Asst. Prof.</i>	Stunkel, F. H., 22 s	106 v-s.
	Sturdy, H. F., 24	140 W.
	Sturm, J. C., 22	
Stevens, S. E., 24	Styring, B., 1 m	Southington
Stevens, W. D., 23		

Sallens, W. E., <i>Mid. d</i>	South Meriden	Tao, K. H., 3 l	25 Whalley ave.
Sullivan, J. B., <i>Instr.</i>	274 Dixwell ave.	Tate, Capt. C. H., <i>Asst. Prof.</i>	(A.H.)-Orange
Sullivan, L. J., 21	765 M.Q.		124 Prospect st.
Sullivan, S. L., 1 m	153 York st.	Taylor, A. C., 23 s	24 Brownell st.
Sumner, S. J., 24	483 H.	Taylor, C. W., s	450 rw.
Sundius, H. W., 23 s	43 Diamond st.	Taylor, D. E., 24	
Supove, L., 24	26, 128 High st.	Taylor, E. C., <i>Prof.</i>	(A.S.) 352 Townsend ave.
Susman, H., 21	764 M.Q.	Taylor, E. J., 23 s	111 Grove st.
Susman, P., 21	438 Oak st.	Taylor, F., 21 s	133 College st.
Sutherland, O. B., s	74 Wall st.	Taylor, F. D., 3 l	35 Dickerman st.
Sutphen, K. C., 22	126 w.	Taylor, M., 24	12 B.M.H.
Sutter, O. H., 22	93 c.	Taylor, T. G., <i>Sr. f</i>	1223 T.
Suttie, R. H., <i>Asst. Prof.</i>	(132 A. WIN.) 387 Sherman ave.	Taylor, W. B., 21 s	HW.A.
Svireky, I., 23	519 George st.	Taylor, W. M., 19 s	310 York st.
Swain, H. L., <i>Prof.</i>	(195 Church st.) 99 Livingston st.	Teitelman, M. H., 21 s	27 Baldwin st.
Swan, T. W., <i>Dean and Prof.</i>	(HEN.) 415 Humphrey st.	Templeton, R. J., <i>Asst.</i> , g I	133 Leete st., West Haven
Swanson, E. A. E., <i>Nurse</i>	(N. H. Dispensary) 154 Minor st.	TenEick, W. A., 24	407 B.
Sweedler, B., 23 s	607 Elm st.	Tennessee, C. P., 2 l	251 Crown st.
Sweedler, J., 21 s, 1 m	607 Elm st.	Tennessee, N. G., 1 l	251 Crown st.
Sweeney, E. C., <i>mus</i>	Naugatuck	Terbune, W. B., 3d, <i>Instr.</i>	(195 Church st.) 320 Orange st.
Sweetkind, M., g I	124 Asylum st.	Terrell, J. M., 23	608 wr.
Sweetser, J. W., 23 s	133 College st.	Terrell, P., 23 s	119 College st.
Swett, F. H., <i>Asst.</i> , g I	o.z.l.	Terrill, B. M., g III	351 Winthrop ave.
Swift, M. A., <i>mus</i>	7 Norton st.	Terrill, R. P., 20	193 f.
Swingle, W. W., <i>Instr.</i>	(O.Z.L.) 80 Sherman ave.	Thacker, E. B., 24	101 v-s.
Swingley, C. E., 19 s	96 Wall st.	Thalberg, R. E., 23 s	248 Orchard st.
Swinney, R. D., <i>Jr. d</i>	1137 E.	Thalheimer, E., 21 s	801 Orange st.
Sydnor, M. V., g I	114 High st.	Thanhouser, L. F., 23	630 wr.
Sylos, F. P., <i>art</i>	95 Farren ave.	Therkildsen, M. H., <i>mus</i>	153 Hill st., Shelton
Symington, T. R., 21 s	133 College st.	Thibaudeau, M., g III	128 Wall st.
Symington, W. S., 3d, 23	219 f.	T'bing, A., <i>Tech.</i> (B.M.L.)	11 University pl.
		Thomas, C. R., <i>Sr. d</i>	1164 T.
		Thomas, D. C., 22	49 v.
		Thomas, H. S., 21	700 M.Q.
		Thomas, J. A., 22	116 w.
		Thomas, J. B., g I	18 Trumbull st.
		Thomas, J. F., 23 s	111 Grove st.
		Thomas, R. B., <i>art</i>	18 Trumbull st.
		Thomas, W. B., 21	799 M.Q.
		Thomas, W. H. H., 24	81 Thomas st., West Haven
		Thompson, B. F., 21	726 M.Q.
		Thompson, B. N., 23	83 c.
		Thompson, C. K., 21	726 M.Q.
TAFT, C. P., 2d, 3 l	70 Grove st.		
Taft, W. H., <i>Prof.</i>	(Hotel Taft) 70 Grove st.		
Taggart, W. V., 21	813 M.Q.		
Tait, T. S., 23 s	111 Grove st.		
Taliaferro, J. H., 23	611 wr.		
Taliaferro, R. N., 22	25 v.		
Tamura, T., 3 m	430 George st.		
Tanner, H. R., <i>Asst.</i>	(6 LIB.) North Haven		

- Thompson, E., Priv. Sec'y*
(1 S.H.) 611 Howard ave.
- Thompson, H., Asst.* 1134 Quinpiac ave.
- Thompson, M. L., 21 s* 111 Grove st.
- Thompson, P. L., 23 s* 97 Livingston st.
- Thompson, P. W., 22 s* 17 Hillhouse ave.
- Thompson, W. A., Asst.*
(N.S.) 1134 Quinpiac ave.
- Thoms, H., g III* 59 College st.
- Thoms, J. D., 24* 451 FW.
- Thomson, C. S., 24* 382 WH.
- Thomson, M. K., Sr. d* 1125 E.
- Thomson, W. M., g I* 58 Lake pl.
- Thornton, G. A., 22* 62 v.
- Thorpe, H. B., 23* 264 D.
- Thorpe, M. R., Asst.*
(121 O.Z.L.) 284 Orange st.
- Thurston, E. S., Prof.*
(HEN.) 12 St. Ronan terrace
- Thurston, L. P., 21* 754 M.Q.
- Tiernan, F. D., mus* 447 George st.
- Tierney, R. W., Jr., 22* 2 v.
- Tighe, R. L., 23* 223 F.
- Tilden, C. J., Prof.*
(124 WIN.) 516 Orange st.
- Tileston, W., Prof.* 101 Grove st.
- Timm, J. A., Asst., g I*
(K.C.L.) 106 York sq.
- Tinker, C. B., Prof.* 38 v.
- Tirrell, S. R., Stenog.* (G.H.) 811 Orange st.
- Tisdale, L. C., 23* 164 L.
- Titus, E. K., 24* 430 FW.
- Tobin, G. W., 22* 2 v.
- Tolles, B. F., 23* 23 v.
- Tolstoi, E., Asst.,* (M.S.) 932 Elm st.
- Tomaino, F. F., 24* 166 v-s.
- Tompkins, A., 1 l* 356 Elm st.
- Tompkins, Mrs. B. P., Sec'y*
(23 LAM.) 356 Elm st.
- Tompkins, E. H., Priv. Sec'y*
(WOOD.) 235 Dwight st.
- Torrance, W. F., 3 l*
2 Valley View terrace, Derby
- Torrey, C. C., Prof.* 191 Bishop st.
- Toumey, J. W., Dean, and Prof.*
(MAR.) 459 Prospect st.
- Toumey, J. W., Jr., 22* 85 c.
- Townsend, F. deP., Jr., 22* 51 v.
- Townsend, R. D., Cat.*
(4 LIB.) 76 Mansfield st.
- Townsend, R., Lect.* 233 Church st.
- Tracey, J. I., Asst. Prof.*
(3 WR.) 314 Norton st.
- Tracy, J. C., Prof.*
(120 WIN.) 345 Winthrop ave.
- Traub, H. J., 23* 253 D.
- Traurig, E., 24* 337 WH.
- Traurig, M. R., 1 l* 420 Temple st.
- Treadwell, M., 24* 332 WH.
- Treat, A. S., 24* 60 Beach st.
- Treat, R. S., 22 s* 96 Ellsworth ave.
- Treat, W. R., 22* 27 v.
- Trepel, A., 24* 5-6 HW.
- Trinin, S., 21 s* Hotel Avon
- Trippe, J. T., 20 s* 133 College st.
- Troostwyk, I., Asst. Prof.*
(890 Chapel st.) 706 George st.
- Trouche, P. E., Jr., 21 s* 133 College st.
- Trowbridge, C. M., Jr., 23* 659 WR.
- Trowbridge, E. R., Jr., 23 s*
1 Hillhouse ave.
- Troxel, D. C., Mid. d* 1127 E.
- Troxell, E. L., Associate*
(O.Z.L.) 316 Orange st.
- Troxell, G. M., Asst., g III*
(31 LIB.) 242 York st.
- Trumbull, E. M., Asst.*
(31 LIB.) 178 Prospect st.
- Tsai, S. I-O., 23* 624 WR.
- Tucker, E. W., 22* 76 c.
- Tulin, L. A., 22* 115 W.
- Tulk, A. J., art* 162 York st.
- Tulloch, R. L., 24* 366 WH.
- Tulloch, E., 24* 435 FW.
- Turck, F. B., Jr., 23 s* 119 College st.
- Turnbull, W. F., Instr., g I*
(114 WIN.) 1275 Chapel st.
- Turner, H. M., Asst. Prof.*
(325 D.L.E.) 388 Whitney ave.
- Turner, S. C., 23 s* 119 College st.
- Tuttle, B. R., 22* 82 c.
- *Tuttle, D. S., 2d, 23* 199 F.
- Tuttle, F. B., 22* 33 v.
- Tuttle, F. D., 24* 368 WH.
- Tweedy, H. H., Prof.*
(1160 T.) 112 Huntington st.

*Deceased.

Twicbell, B. P., Dean
(100 Wall st.) 406 Prospect st.
Twitchell, S. B., 21 s 148 Grove st.
Tyler, D., Jr., 21 809 M.Q.
Tyler, M., Asst. N.H.H.
Tyler, M., 24 479 H.
Tyrrell, J. H., g I 42 Mansfield st.
Tyson, F. T., Asst., g I
50 Parker pl., Morris Cove

U*HLENHAUT, F., 3d, Instr.*
(271 M.E.L.) 360 Temple st.

Ubler, H. S., Asst. Prof.
(37 S.P.L.) 59 Wall st.

Ullman, A. S., 21 284 Willow st.
Ullman, R. J., 24 496 H.
Ullman, R. S., art 284 Willow st.
Ulmer, J. G., Mid. d 12 Sylvan ave.
Ulmer, J. J., 24 162 v-s.
Underbill, F. P., Prof.
(366 B.M.L.) 445 Orange st.

Underhill, J. L., 24 140 v-s.
Underwood, C. B., Priv. Sec'y
(G.H.) 117 Whalley ave.

Upton, C. H., 24 3 HW.
Ussher, N. T., 23 264 D.

V*ALENTINE, F. B., art* 1149 E.
Valentine, J. M., 23 258 D.

VanAllen, C. M., Asst., 4 m
430 George st.

VanAlstyne, R. F., 24 111 v-s.
VanAntwerp, W. M., 24 473 H.

Vance, J. C., 2d, 21 s 370 Temple st.
Vance, W. R., Prof. (HEN.) 242 York st.

VanCleef, M. T., mus 518 Orange st.
VanderPyl, E. C., 23 652 WR.

VanderVeer, A., 3d, 24 473 H.
VanDeusen, G. L., g III 73 Whitney ave.

VanEvera, E., 21 s 352 Temple st.
VanHaelen, C. L., 23 s 141 High st.

VanIngen, E. H., 2d, 21 715 M.Q.
VanLeuvan, J. S., 24 Yalesville

VanName, A., Librarian Emeritus
121 High st.

VanName, R. G., Asst. Prof.
(30 K.C.L.) 121 High st.

VanNorden, J., 1 l 333 York st.
VanSantvoord, A. S., 21 769 M.Q.

VanSantvoord, G., Instr. (4 L.) 347 WH.
VanSlyck, D., Instr. 251 Edwards st.

vanWinkle, C., Instr.
(208 L.O.M.) 1329 Chapel st.

Vaughan, W. F., 23 269 D.
Vea, N. D., 23 s 370 Temple st.

Veach, J. B., 23 643 WR.
Veeder, M. N., 23 s 124 Prospect st.

Vennum, T., 23 620 WR.
Verdi, W. F., Prof. 27 Elm st.

Verrill, A. E., Prof. Emeritus
(109 O.Z.L.) 582 Central ave.

Vestling, A. E., Lect. (146 L.) 51 Avon st.
Vestuti, A. G., mus 196 St. John st.

Vezzani, R. A., 1 l 67 Olive st.
Vickery, H. B., g I 190 York st.

Victor, H. R., g I 124 Wall st.
Vigodsky, A., 3 l 898 Yale P. O.

Virden, A. W., 23 s 17 Hillhouse ave.
Visher, S. S., g III 1 H.H.

Vivier, E. M., mus 198 Hamilton st.
Vivier, P. J., 1 m 198 Hamilton st.

Vogel, F. E., 23 618 WR.
Vogel, H. F., Instr.
(271 M.E.L.) 156 Grove st.

Vogel, H. T., 1 m 151 Putnam st.
vonHolt, R. K., 21 811 M.Q.

VonMaur, G. K., 24 486 H.
vonPlaten, K. G., 24 425 FW.

vonSchrader, D. G., 23 622 WR.
vonWoedtker, A. V., mus 18 Nash st.

Voorhees, E. H., 24 623 Elm st.
Voorhis, H. J., 23 629 WR.

Vosburgh, F. A., Jr., 24 140 v-s.
Vosburgh, W. W., 24 371 WH.

Vredenburg, W. O., 23 s
17 Hillhouse ave.

Vreeland, T. R., 21 761 M.Q.

W*ADE, F. J., Jr., 23* 232 F.
Wajdowicz, G. E., 24
117 Main st., Derby

Wakeham, W. H., d 315 Whalley ave.
Wakelee, J. I., Jr., 24 s 17 Hillhouse ave.

Wakem, F. J., 19 s 1 Hillhouse ave.
Wakeman, A. M., 3 m 181 Edwards st.

4 m	181 Edwards st.	Warren, K., Asst. (4 lib.)	568 Chapel st.
3 m	181 Edwards st.	Warren, P. H., 24	31, 128 High st.
21 s	126 High st.	Warren, R. H., 22	60 v.
22	86 c.	Washburn, N. R., 21 s	121 Wall st.
B., 24	166 v-s.	Wasilik, J., Jr., Sr. f	1224 T.
P., 22 s	17 Hillhouse ave.	Wason, I. M., Instr.	N.H.H.
Walden, Prof.		Waterbury, E. P., 23	203 F.
(17 K.C.L.)	210 St. Ronan st.	Waterbury, I. L., Sec'y	
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Walker, C. L., 24	375 W.H.	Waters, E. O., Asst. Prof.	
Walker, D. P., 21	822 M.Q.	(111 WIN.)	148 Grove st.
Walker, Mrs. H. M., Lib'n, g I		Watkins, P. R., 24	334 Crown st.
(D.E.)	133 Mansfield st.	Watrous, C. A., 21 s	261 Bradley st.
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Walker, J. R., Jr., 21 s	1 Hillhouse ave.	Watrous, G. S., 23 s	70 Trumbull st.
Walker, L. B., 20 s	1 Hillhouse ave.	Watson, B. F., 21	756 M.Q.
Walker, W., Provost		Watstein, H., 22	843 Howard ave.
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Waller, W., 2 l	333 York st.	Webb, C. S., 22	673 W.R.
Walsh, C. B., 2 l	371 Crown st.	Webb, F. H., 21 s	1 Hillhouse ave.
Walsh, F. E., mus		Webb, J. H., Lect.	
96 Prospect ave., Shelton		(County Court House)	Whitney ave.,
Walton, H. W., 22	1 v.		Hamden
Wang, C. Y., Mid. d	1207 T.	Webb, W. C., 23	239 D.
Ward, K., 21	813 M.Q.	Webber, N. D., d	
Warfield, G. K., 23 s	373 Crown st.	2773 Fairfield ave., Bridgeport	
Waring, J. F., 23	227 F.	Webber, T. W., 24	336 W.H.
Warman, D. S., 23	251 D.	Weber, F., d	30 Spring st., West Haven
Warner, A. B., art	1268 Quinpiac ave.	Weber, G. F., 23 s	352 Temple st.
Warner, R. deK., Instr., g I		Weber, J. M., 19 s	84 Wall st.
80 Sherman ave.		Webster, G. W., 23 s	575 Whalley ave.
Warner, R. G., Instr.		Wedberg, R. F., 21 s	352 Temple st.
(312 D.L.E.)	366 Yale ave.	Wedel, T. O., Instr.	(11 WH.) 2 Lincoln st.
Warner, R. K., Instr., g I		Weed, A. R., Asst.	1210 Chapel st.
(H.M.L.)	24 George st., West Haven	Weeks, C., 2 m	90 Wall st.
Warner, W. J., 24	431 F.W.	Weidlich, C. F., 23	631 W.R.
Warnock, W., Supt. (U.S.B.)	122 Wall st.	Weigle, L. A., Prof.	
Warren, E. W., 3 l	175 Elm st.	(1118 E.)	142 Cold Spring st.
Warren, F. M., Prof.	177 L.	Weil, A., Asst.	
Warren, G. A., 22	129 W.	(1172 Chapel st.)	352 Orange st.

- Weil, V. H., 23 s 135 Wall st.
 Weiner, J., 3 l 26 Vernon st.
 Weinraub, I., 21 s, 1 m 1158 T.
 Weinstein, A., 24 4 HW.A.
 Weinstein, H. W., 2 m 157 Greenwood st.
 Weinstein, I. E., 23 s 510 Howard ave.
 Weinstein, L., 2 l 392 George st.
 Weinstein, M., 22 72 c.
 Weintraub, M., mus 70 Sylvan ave.
Weir, J. F., Director Emeritus
 234 Wayland ave., Providence, R. I.
 Weisenfeld, N., 24 311 York st.
 Weiss, A. B., 3 l 59 Carleton ave., Bridgeport
 Weiss, B., 24 190 Ellsworth ave.
 Weiss, D., 24 851 Wordin ave., Bridgeport
 Weissman, J., 23 s Yale P. O.
 Welch, A. J., 21 s 133 College st.
 Welch, F. W., mus 271 Orange st.
 Welden, W. B., 23 168 L.
 Weldon, J., Jr., 21 s 70 College st.
 Welles, C. B., 24 413 B.
 Welles, R. P., 24 445 FW.
 Wells, E. S., mus 239 Edwards st.
Wells, H. L., Prof.
 (151 S.C.L.) 239 Edwards st.
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 (B.M.H.) 106 Atwater st.
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 (U.S.B. and 6 WR.) 375 Shelton ave.
 Westcott, H. R., s 728 Elm st.
Westerfield, R. B., Asst. Prof. 245 D.
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 (35 S.P.L.) 453 Central ave.
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Whiting, L. C., Asst.
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 Whiting, M., 24 409 B.
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 Widmeyer, L. P., 21 125 W.
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 (150 O.B.L.) Anawan, West Haven
 Wieland, R. G., 21 s 360 Temple st.
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 Wilde, R. H., 24 451 FW.

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(4 lib.) 548 Orange st.		Wilson, M. H., 23	205 F.
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Wiley, L. W., 23	646 wr.	Windsor, H. H., Jr., 24	108 v-s.
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Wilkins, J., <i>Mid. d</i>	182 West Rock ave.	Wingate, G. I., g I	130 Wall st.
Wilkins, O., <i>art</i>	Bridgeport	Wingate, R. M., <i>Jr. d</i>	1136 E.
Wilkinson, H. F., 4 m	430 George st.	Winslow, C., <i>mus</i>	98 Park st.
Wilkinson, H. H., 23 s	139 High st.	<i>Winslow, C.-E. A., Prof.</i>	
<i>Willard, G. M., Asst.</i>		(N.S.) 202 Prospect st.	
(330 Cedar st.) 37 High st.		Winter, E. W., 2d, 21	750 M.Q.
Willard, R., g I	123 Wall st.	<i>Winternitz, M. C., Prof.</i>	
Willcox, E. W., 21	711 M.Q.	(B.M.L.) 210 Prospect st.	
Willett, J. J., Jr., 3 l	80 Wall st.	<i>Winters, F. W., Instr.</i> , g I	
Williams, A. D., 23 s	17 Hillhouse ave.	(34 N.S.H.) 124 Wall st.	
Williams, C. D., 22	42 v.	<i>Winters, S., Asst.</i>	
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Williams, G. P., 21	815 M.Q.	Witherspoon, A. M., g I	126 Wall st.
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Williams, J. F., 2 l	8 Garden st.	(21 lib.) 152 Canner st.	
Williams, L. E., 23	214 F.	Witt, H., 24	544 Elm st.
Williams, L. P., <i>mus</i>	66 Bristol st.	Wittenberg, J. N., 23 s	124 Prospect st.
Williams, M., <i>mus</i>		Wittenberg, R. B., 24	4 B.M.H.
455 1st ave., West Haven		<i>Wittig, G. F., Asst. Prof.</i>	
Williams, N. F., 22 s	370 Temple st.	(328 D.L.E.) 88 Barnett st.	
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(5 L.) 708 Orange st.		<i>Woblenberg, W. J., Asst. Prof.</i>	
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Wilson, H. R., 24	485 H.	Wood, D. S., Jr., 22 s	352 Temple st.
Wilson, J. C., 22	9 v.	Wood, E. C., 21 s	187 Derby ave., Derby
Wilson, J. R., <i>Sr. d</i>	1142 E.	Wood, E. P., 21	821 M.Q.
<i>Wilson, L. A., Asst.</i>		Wood, H. A., 24	464 F.W.
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		Wood, J. D. I., 21 s	119 College st.

- Wood, M. F., *mus* 63t Elm st.
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 Woodruff, H. R., 22 6 v.
 Woodruff, J. L., 21 s 73 Whitney ave.
 Woodruff, L. L., *Prof.* (310 o.z.L.) 146 Cottage st.
 Woodruff, R., 22 15 v.
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 Zeitz, E. R., 22 s 258 Winthrop ave.
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 Ziegler, E. P., *art* Woodmont
 Zimmerman, H. M., 24 77 Orchard st.
 Zimmerman, M. E., *mus* 28 Nash st.
 Zisette, R. R., 21 s 370 Temple st.
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